

FIG. 1

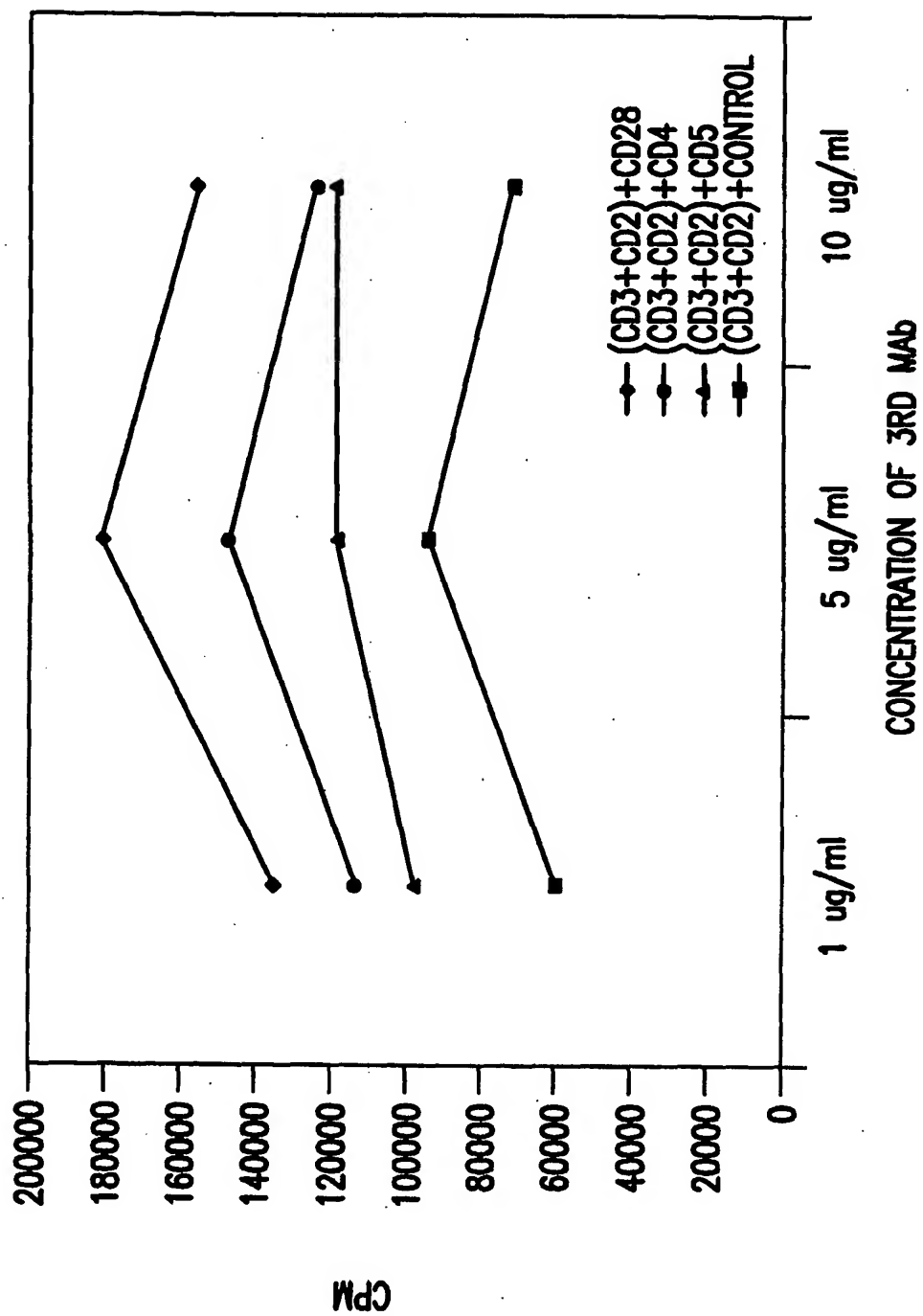


FIG. 2

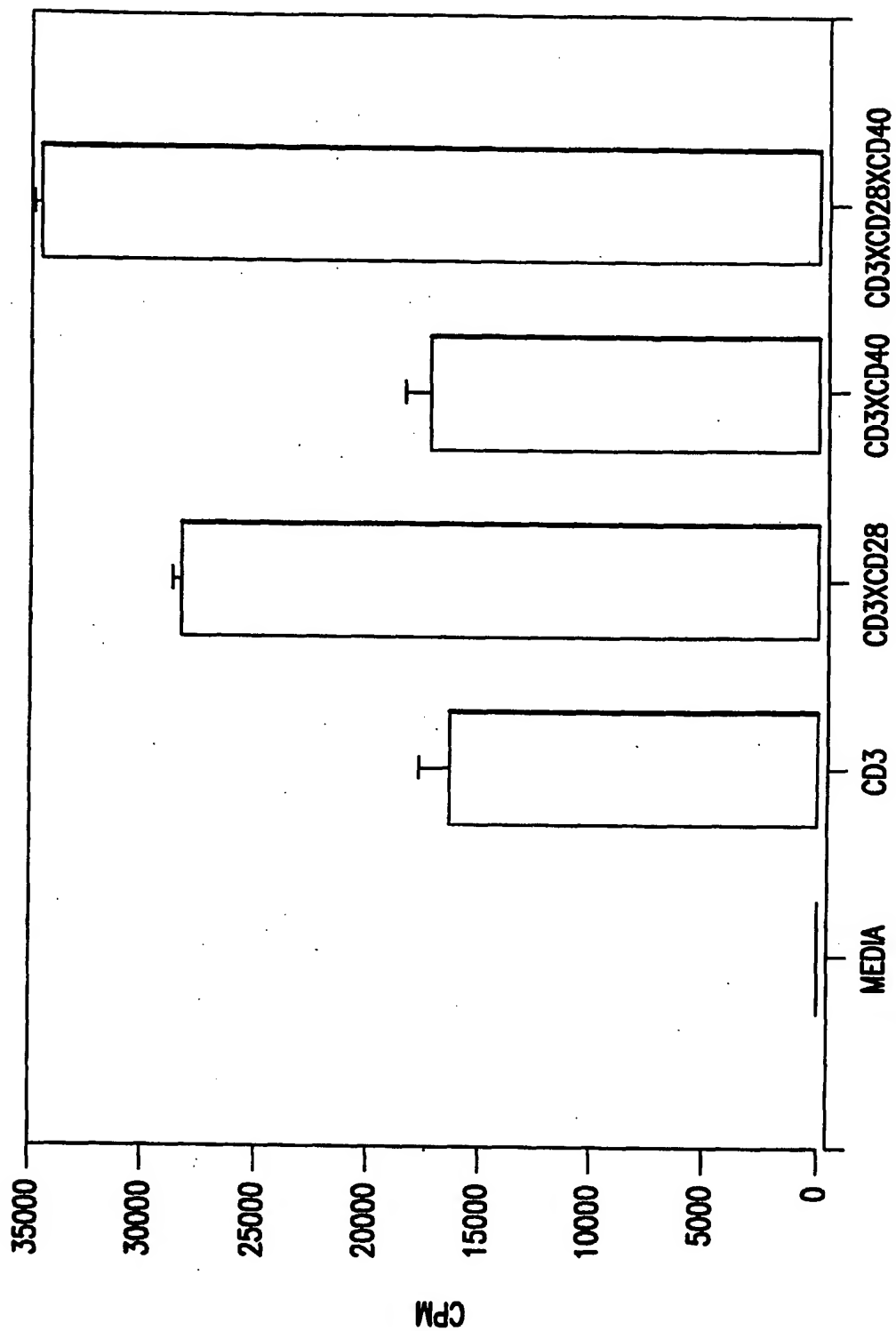


FIG. 3

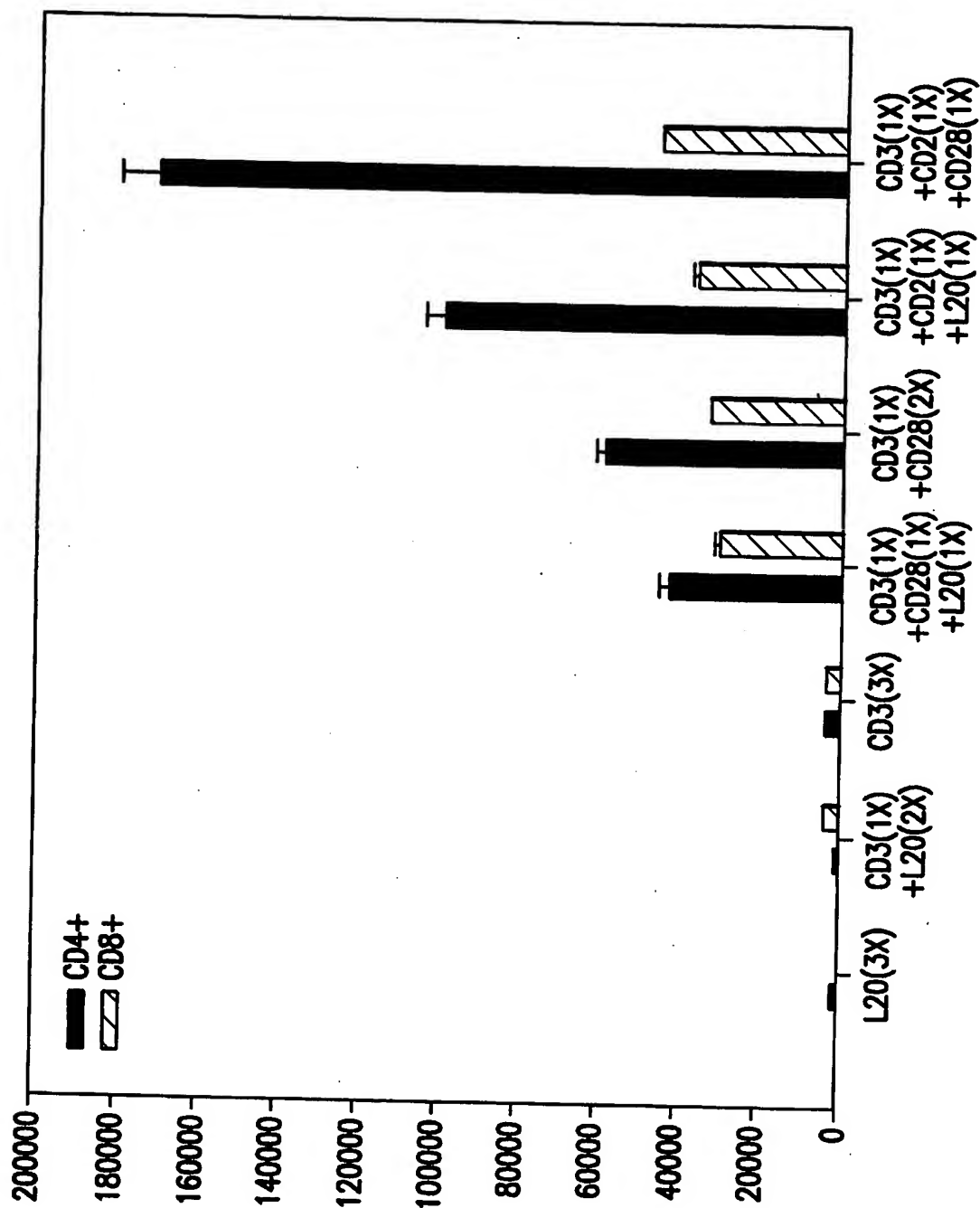


FIG. 4

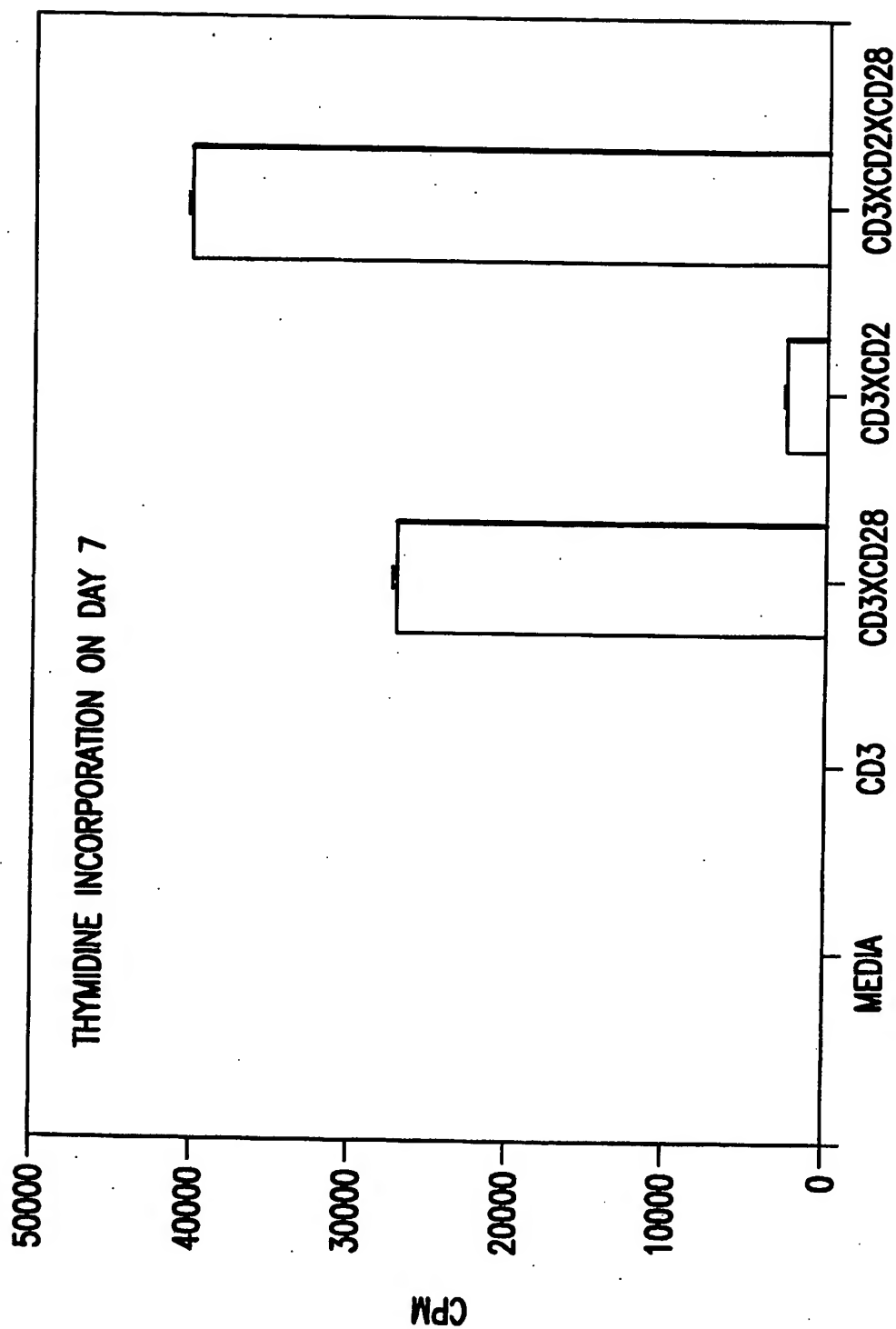


FIG. 5A

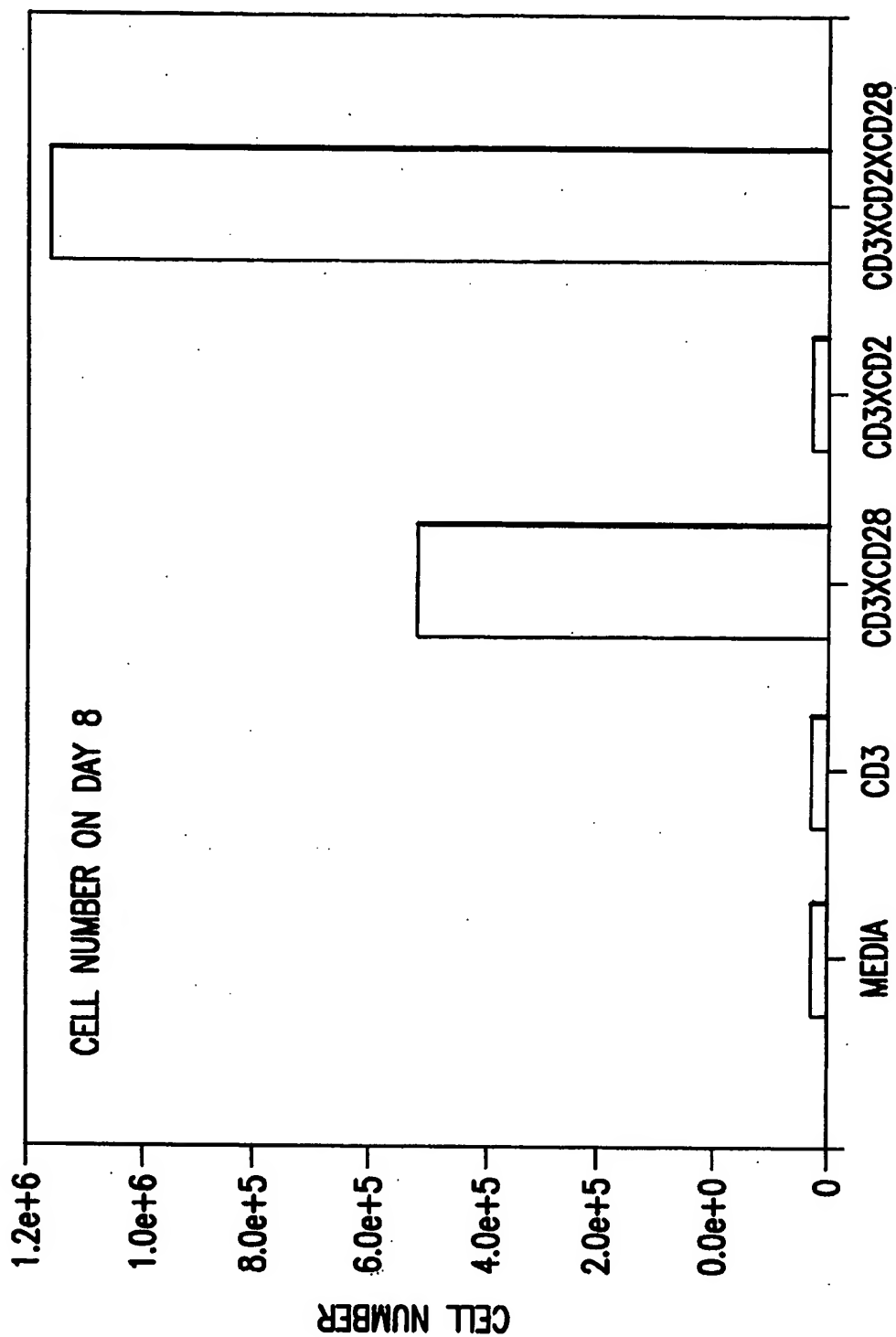


FIG. 5B

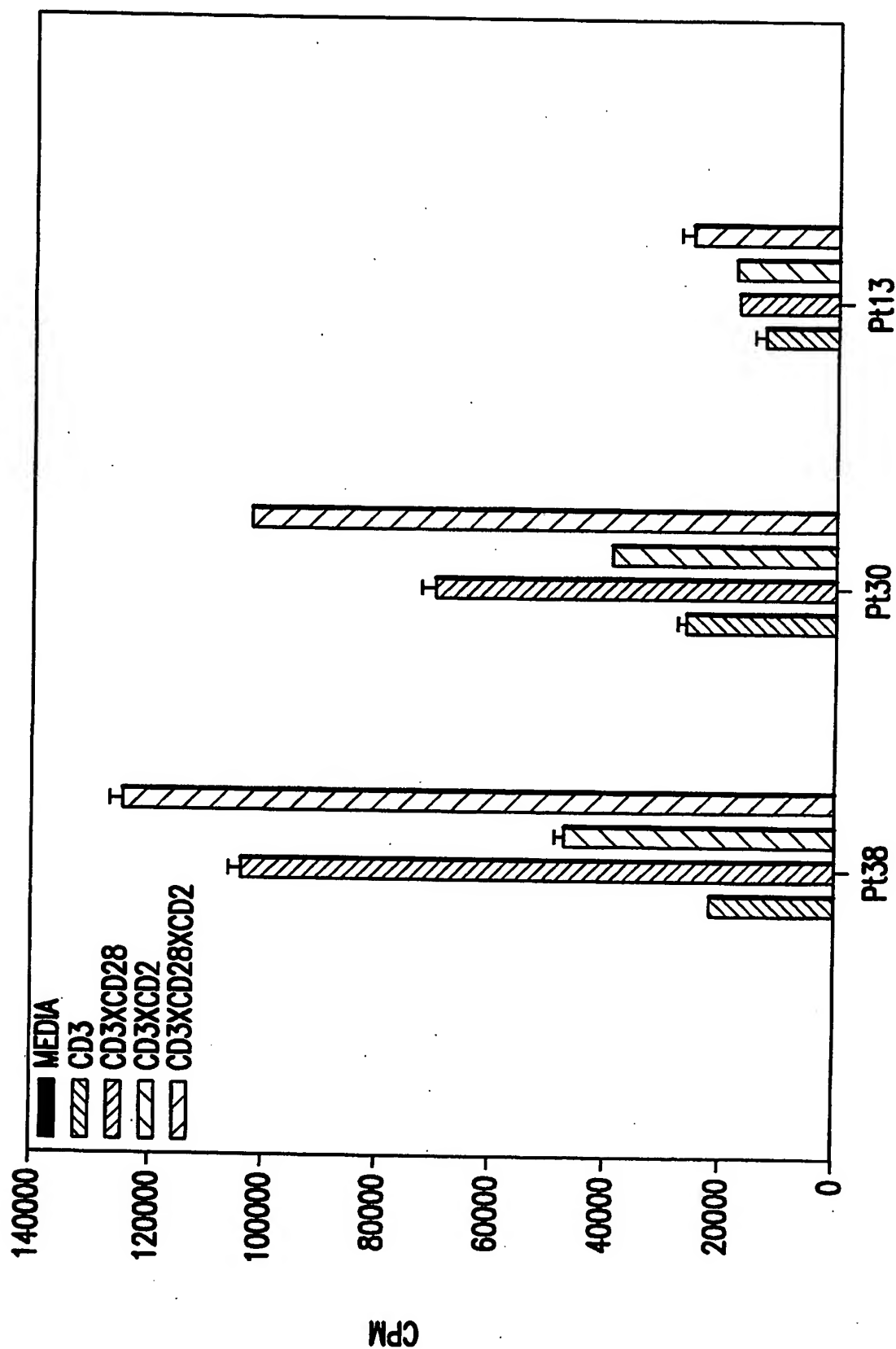


FIG. 6

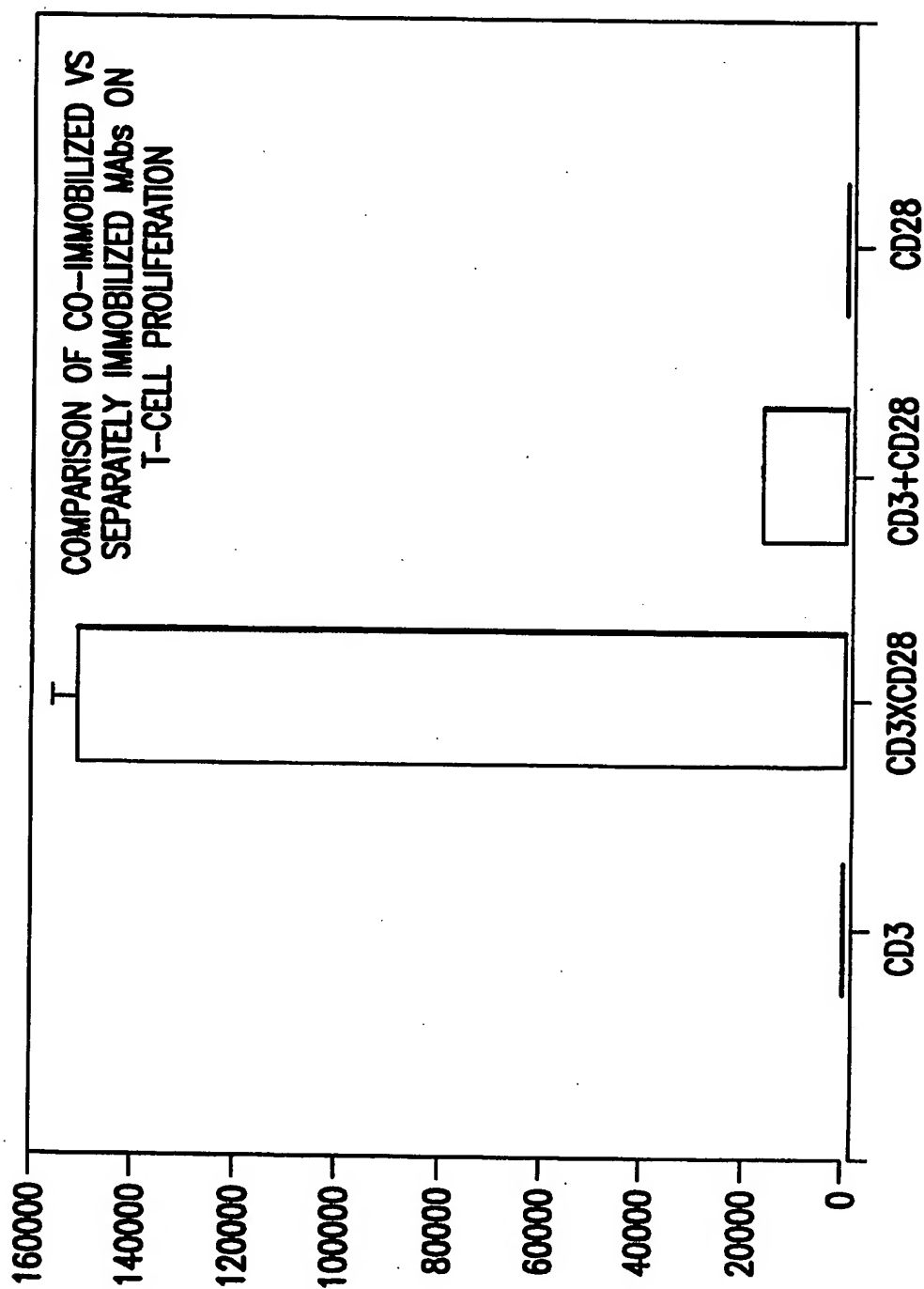


FIG. 7A



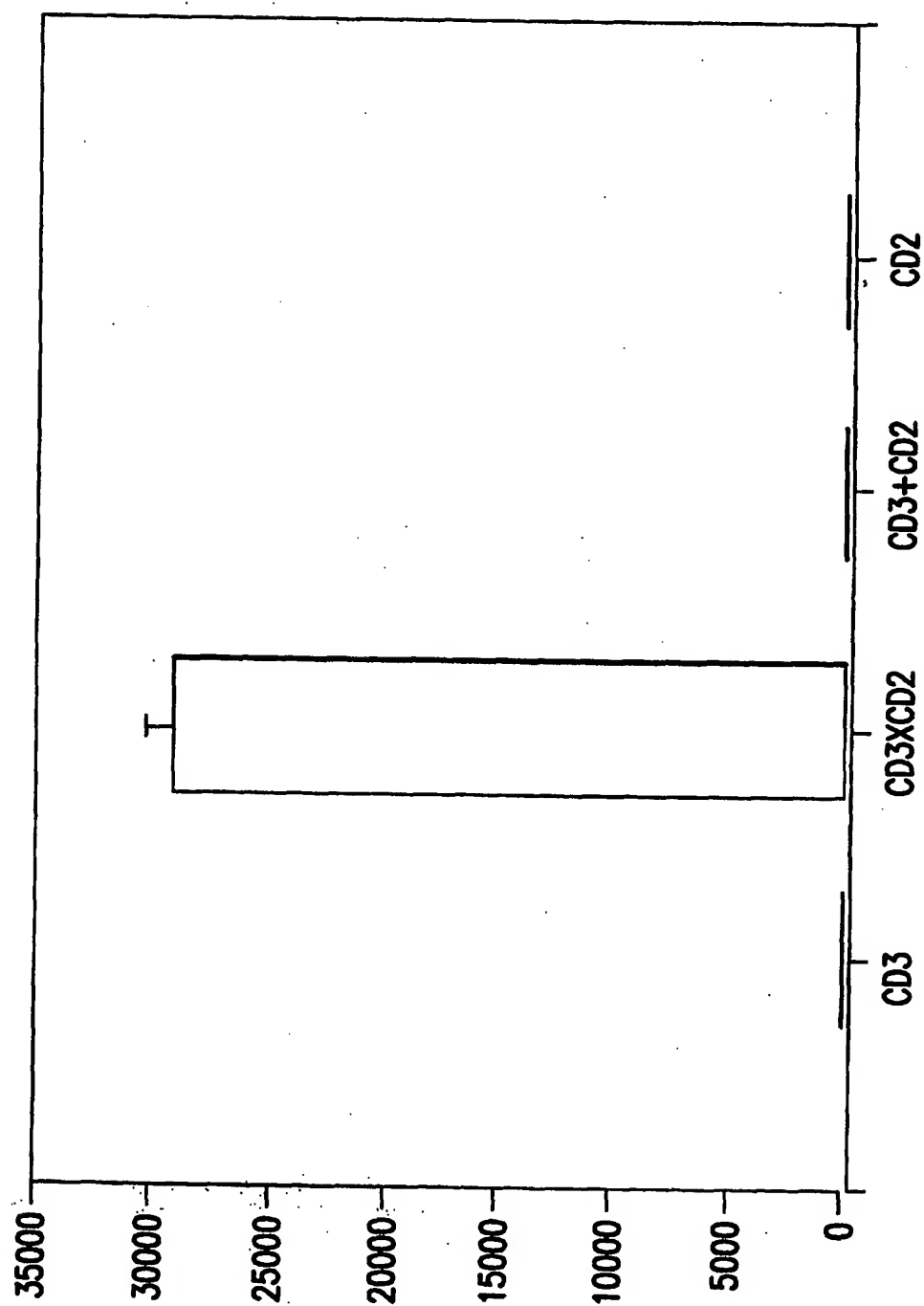


FIG. 7B

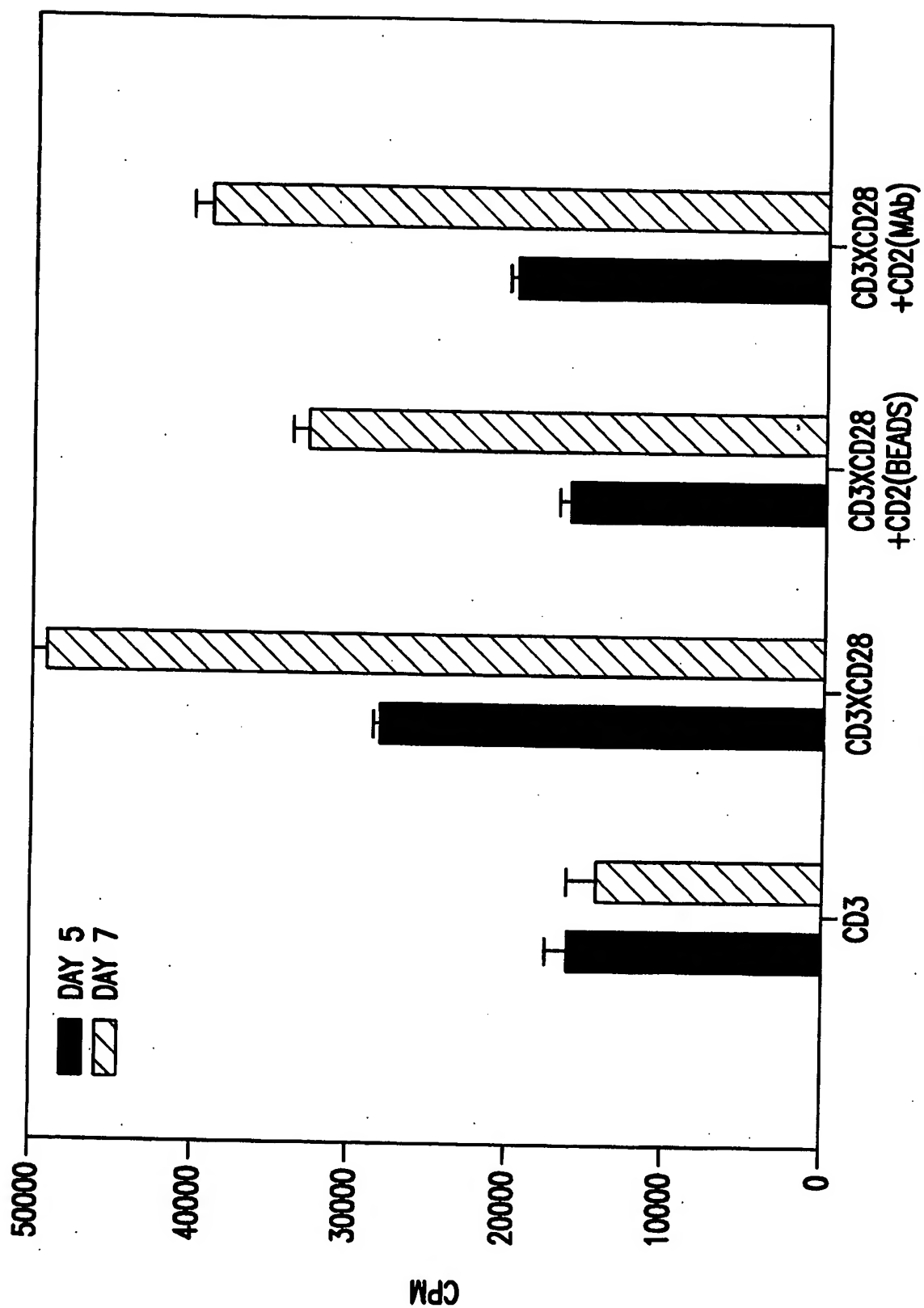
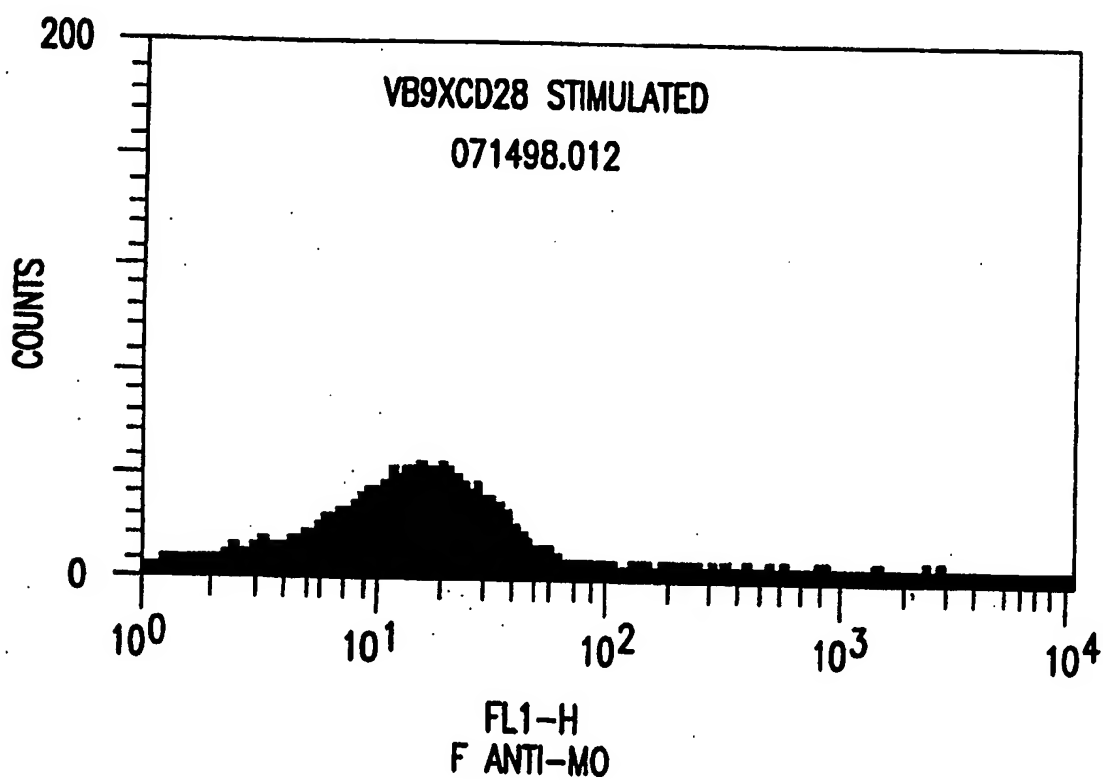
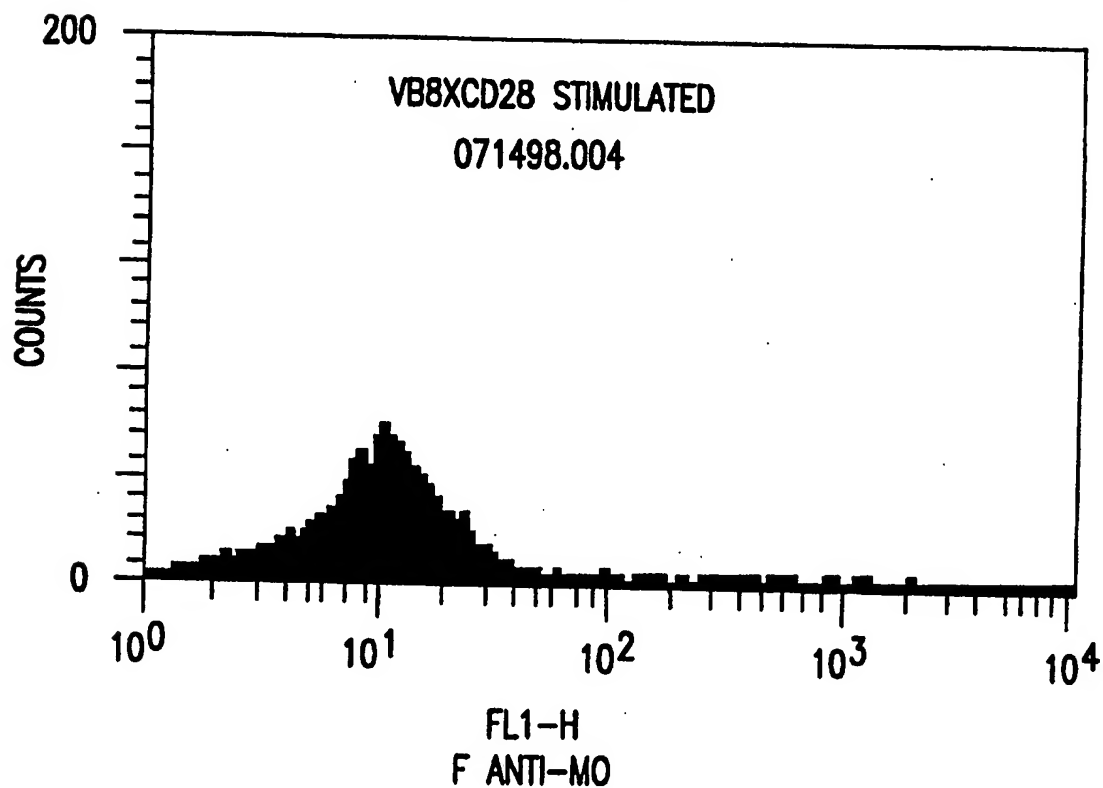


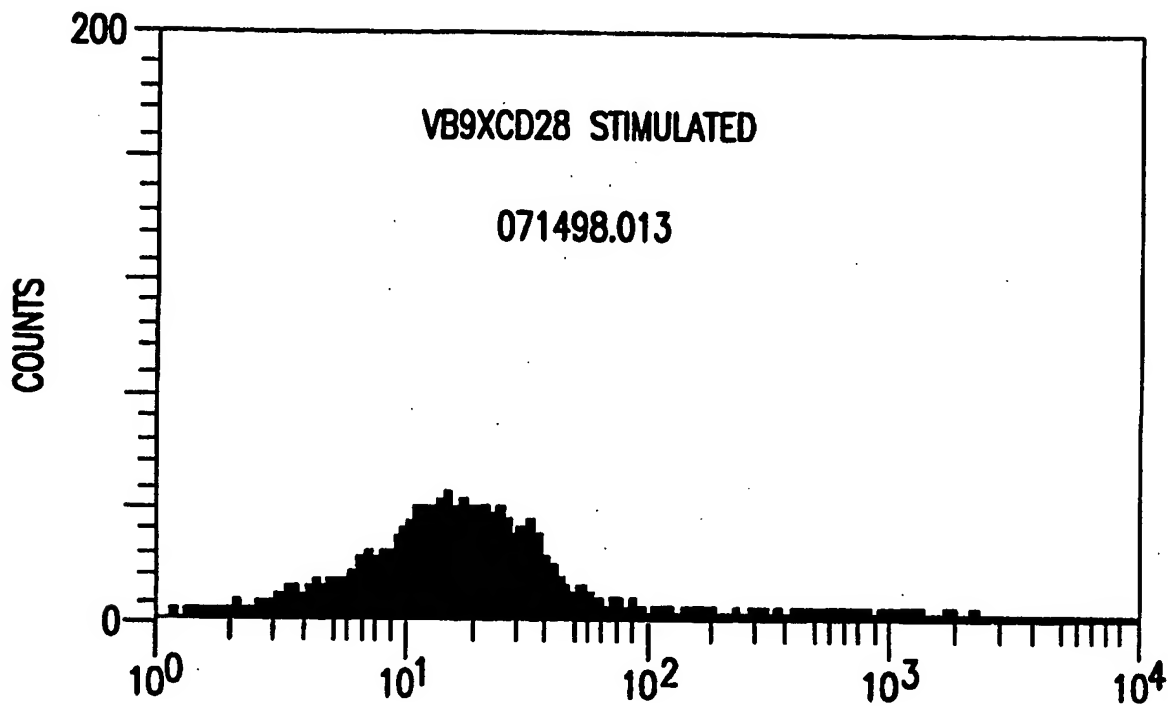
FIG. 8



*FIG. 9A*

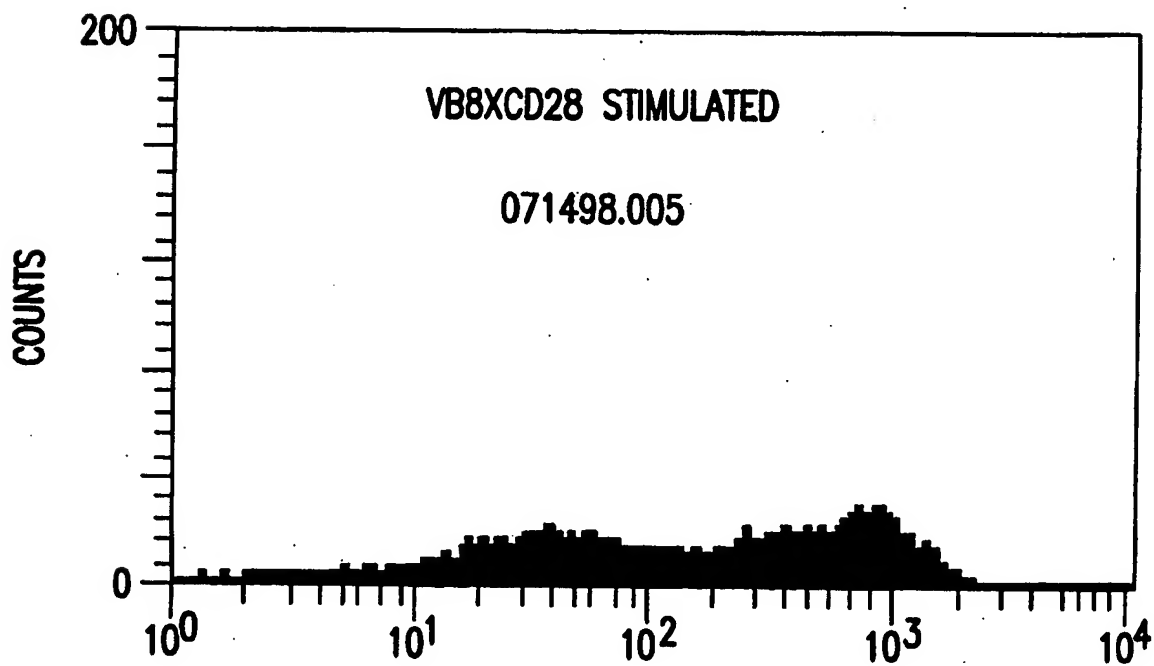


*FIG. 9B*



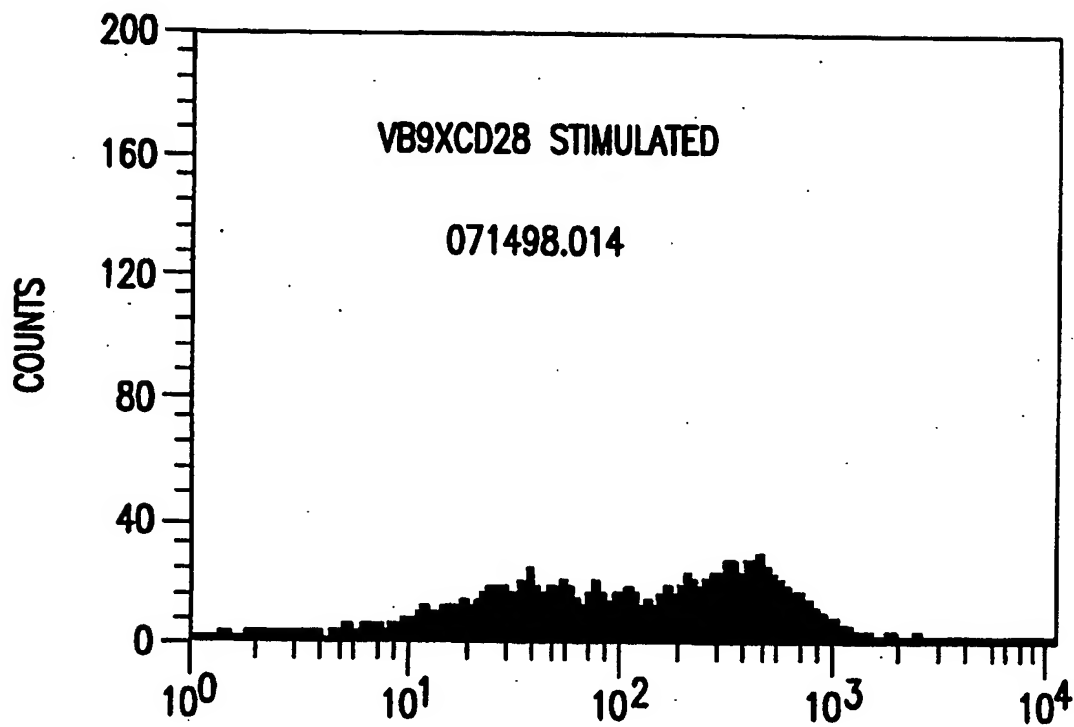
FL1-H  
F ANTI-VB 8

*FIG. 9C*



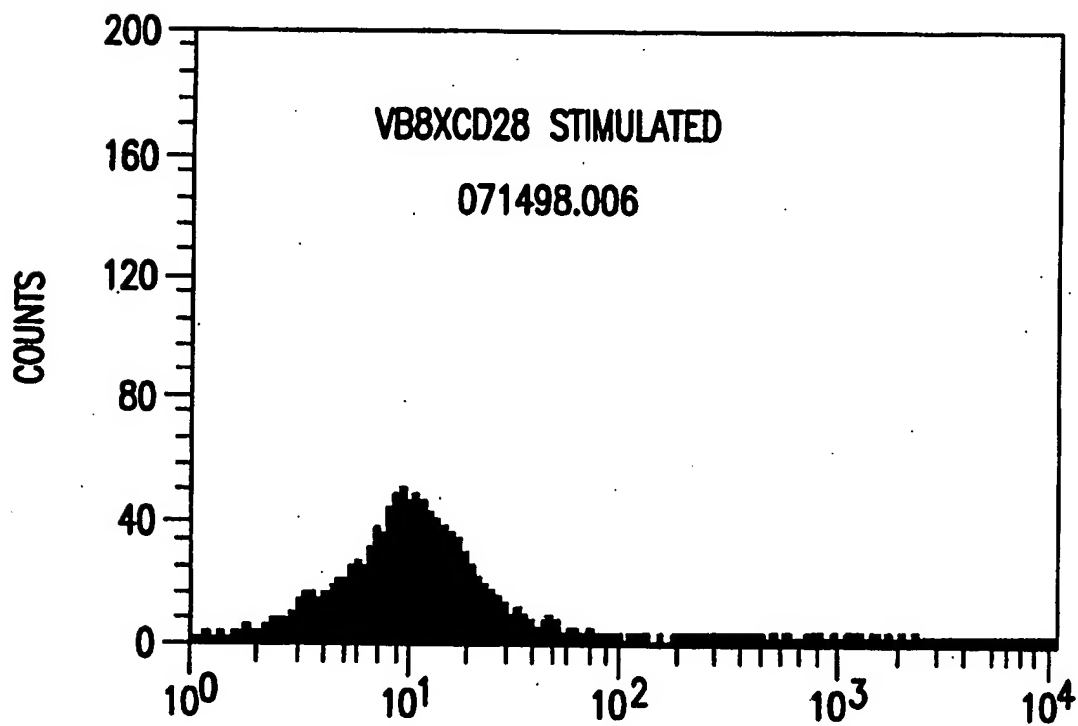
FL1-H  
F ANTI-VB 8

*FIG. 9D*



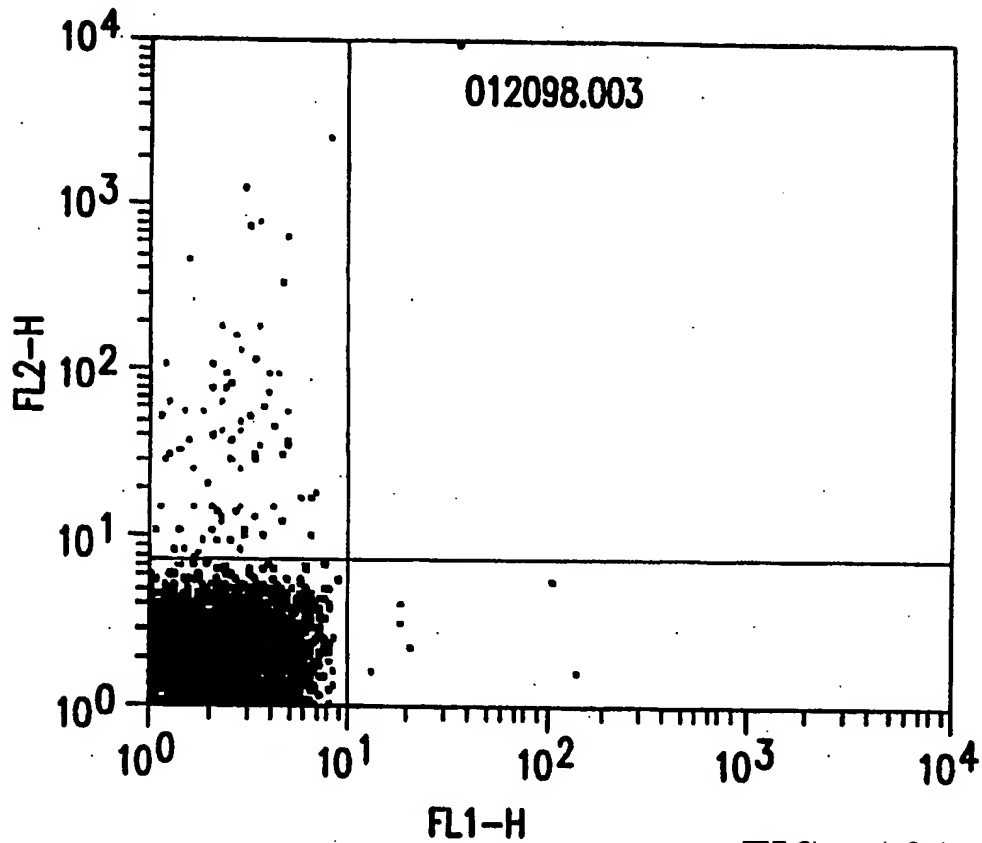
FL1-H  
F ANTI-VB 9

*FIG. 9E*

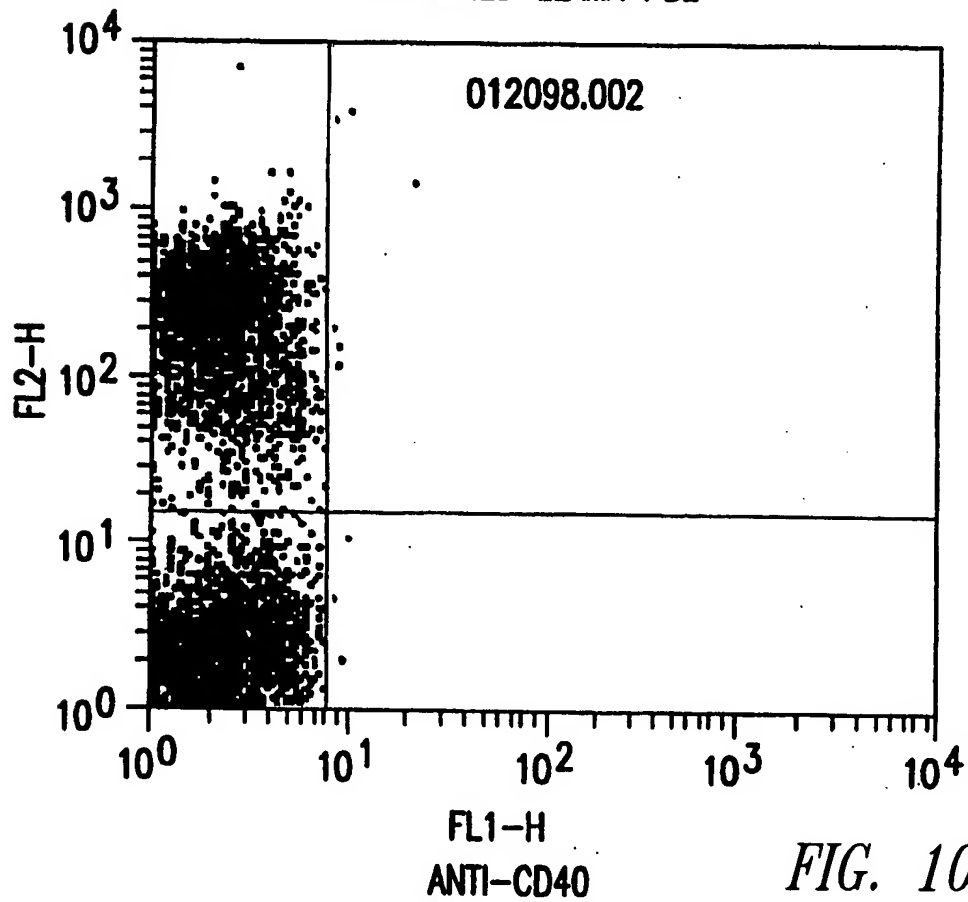


FL1-H  
F ANTI-VB 9

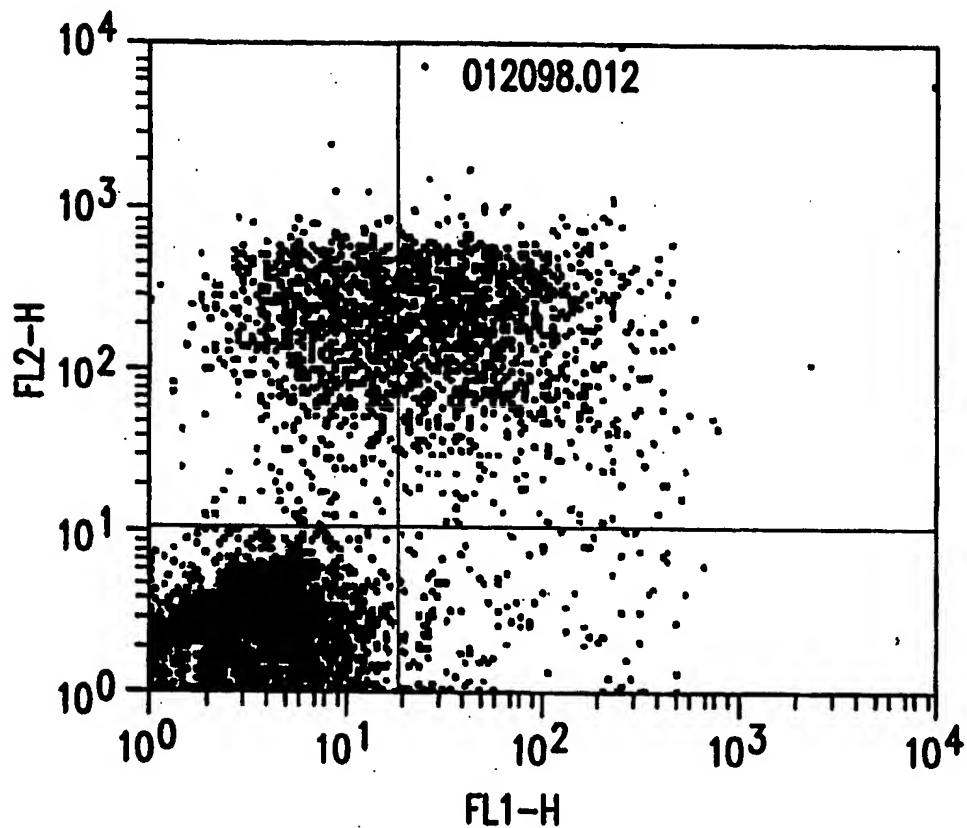
*FIG. 9F*



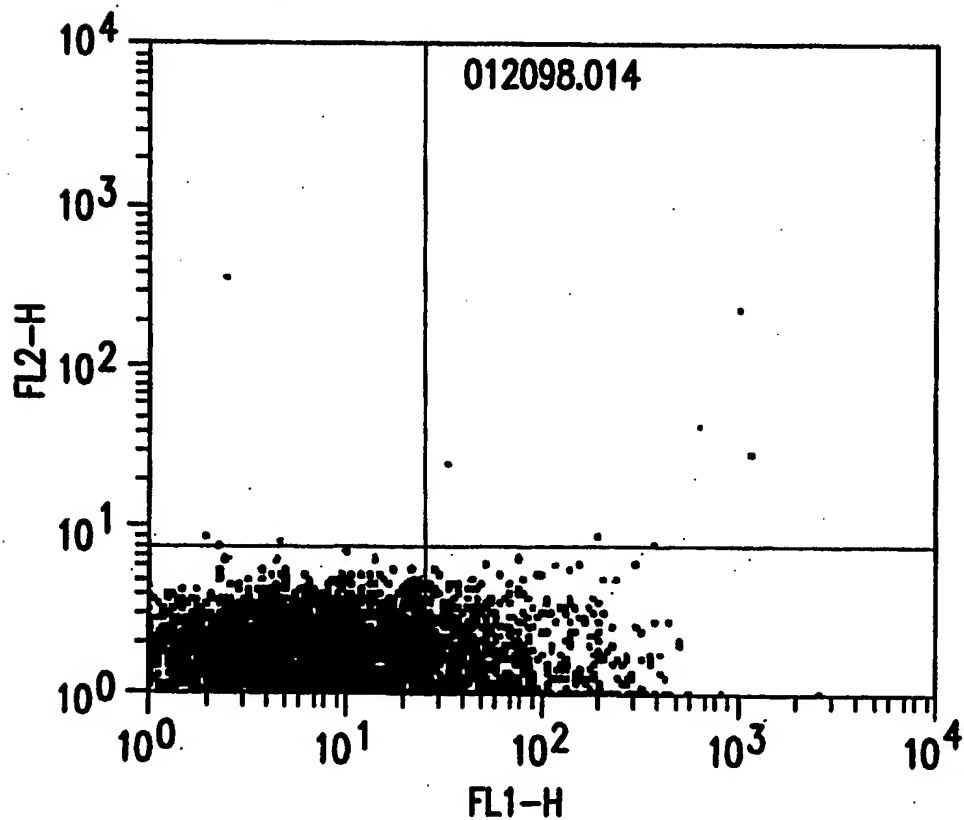
*FIG. 10A*



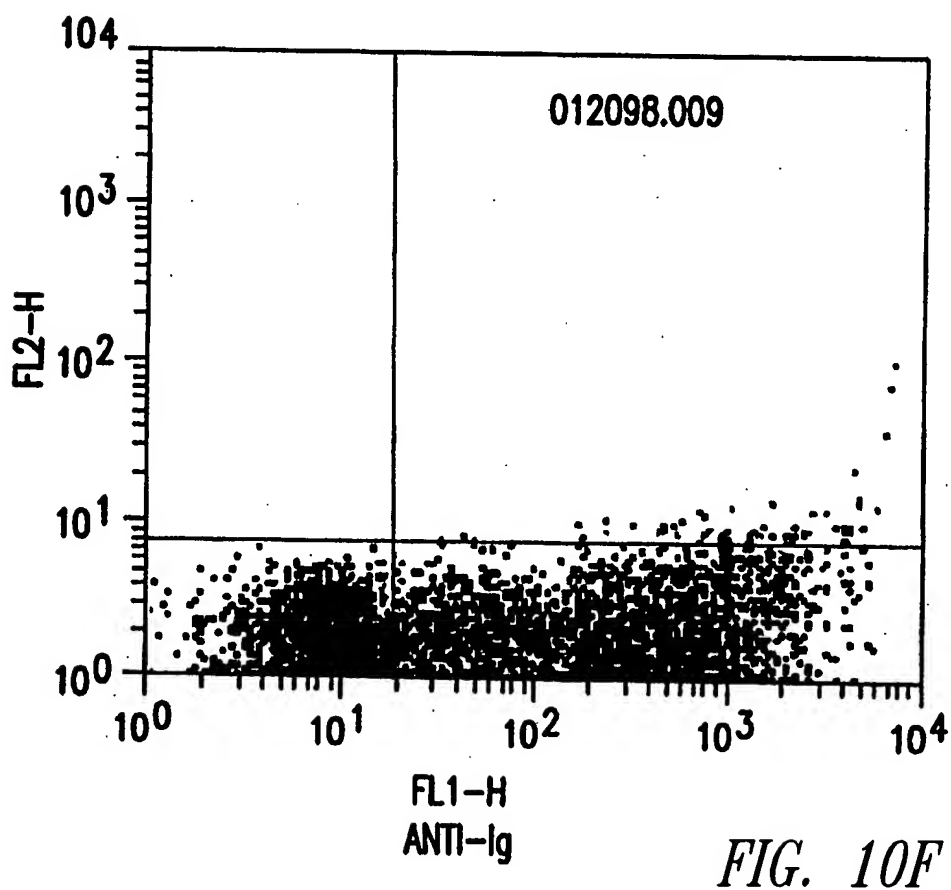
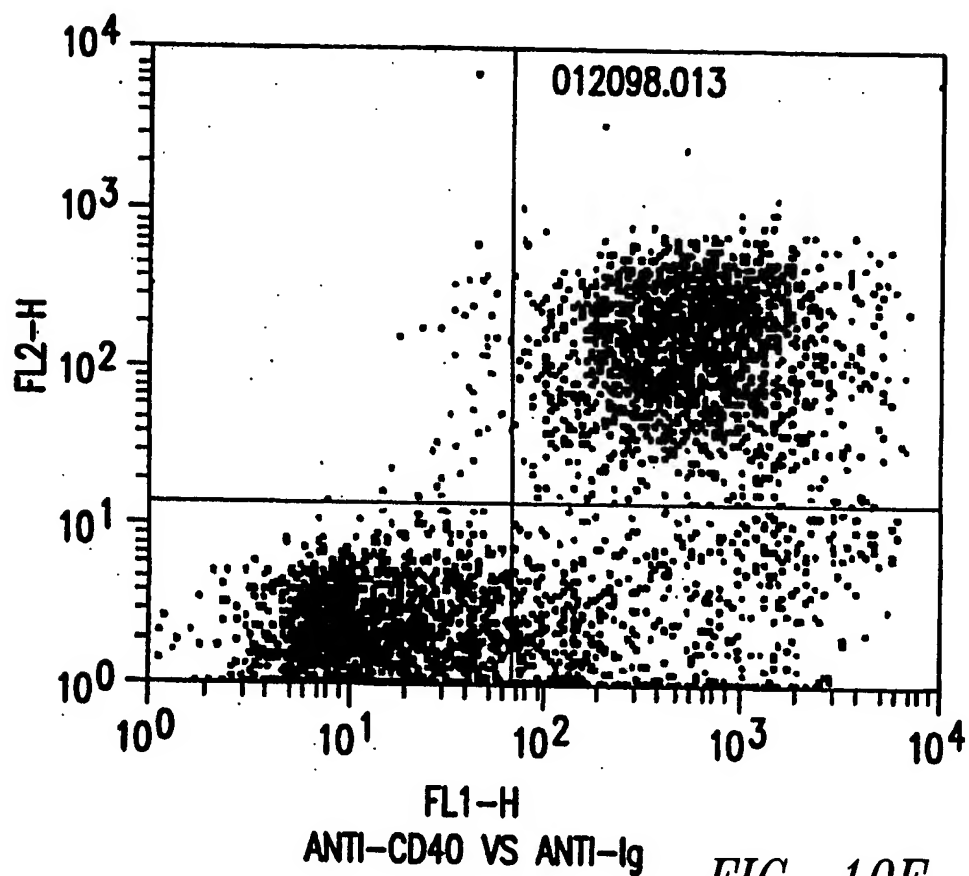
*FIG. 10B*



ANTI-CD40 VS. ANTI-LIGHT CHAINS *FIG. 10C*



ANTI-LIGHT CHAINS *FIG. 10D*





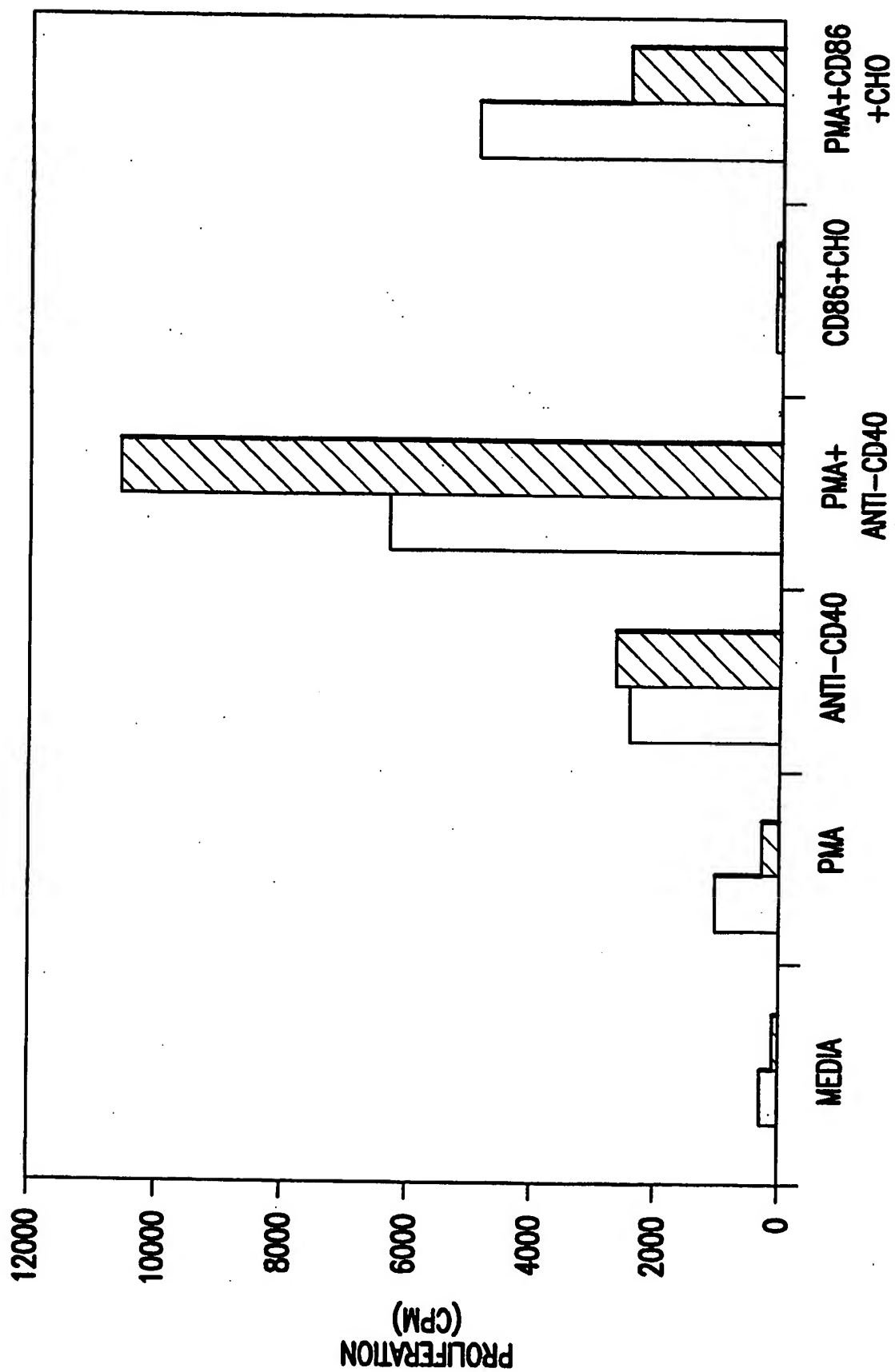
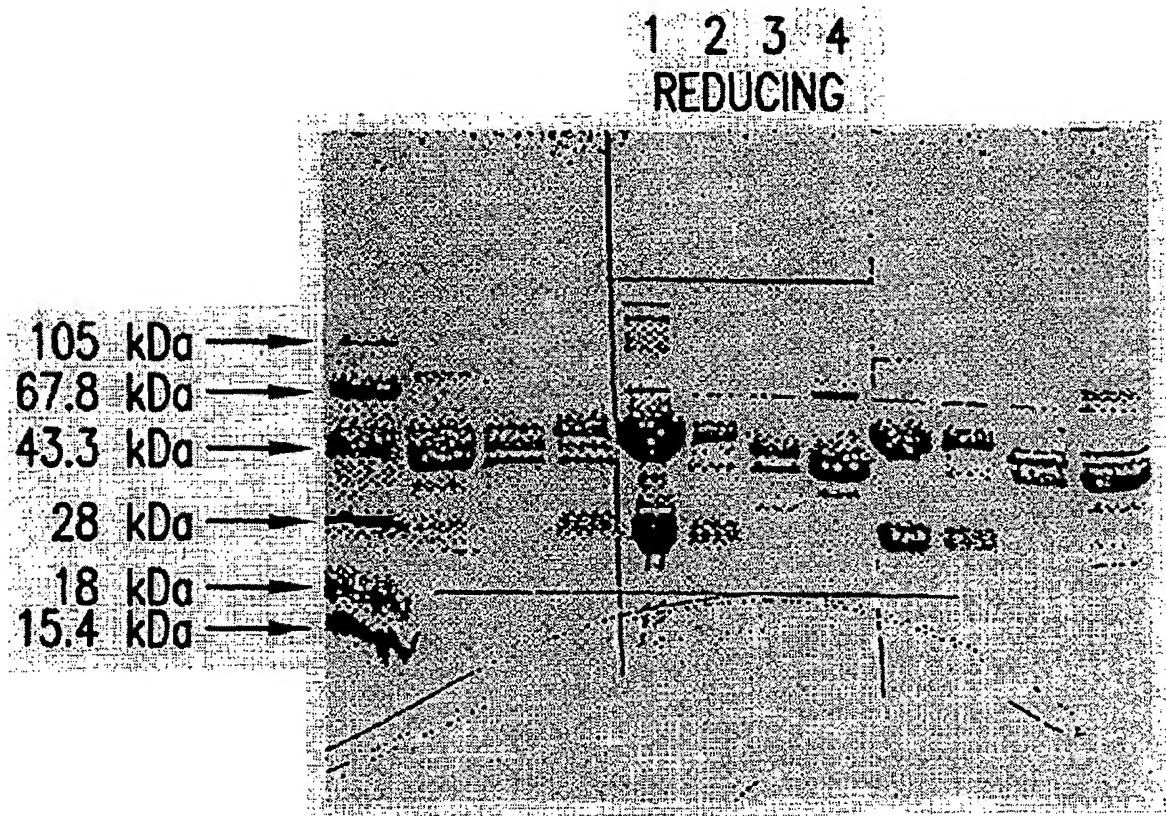
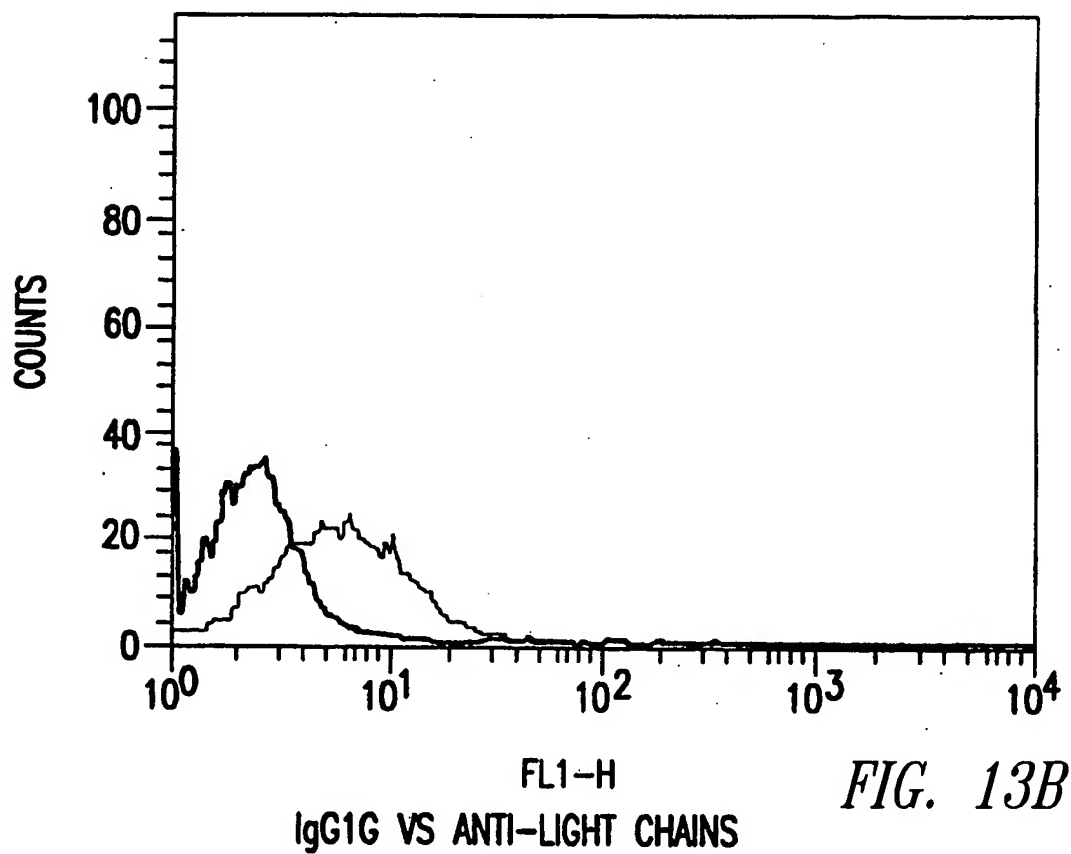
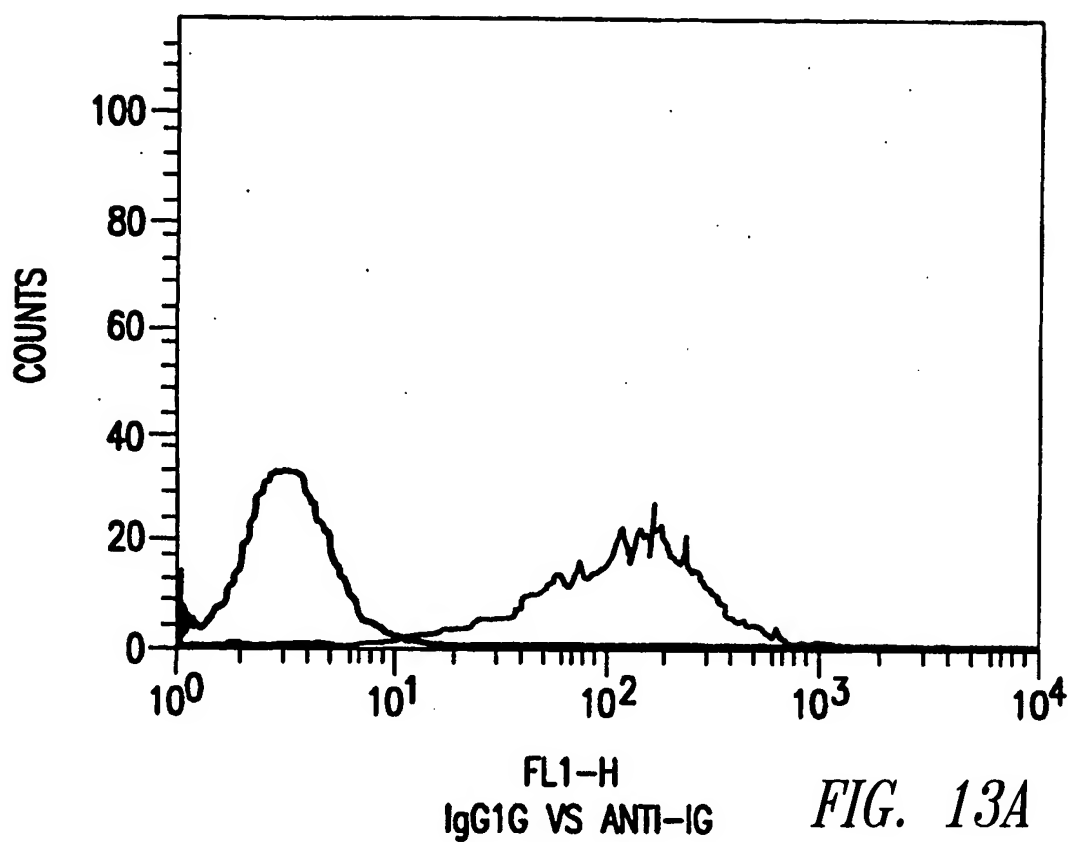
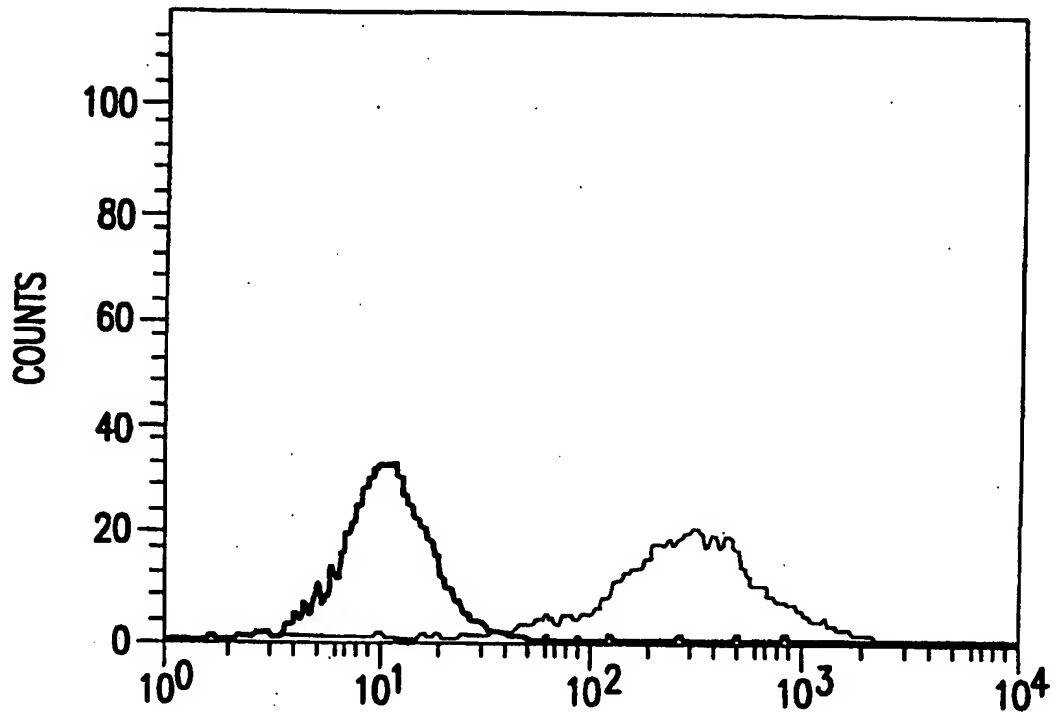


FIG. 11

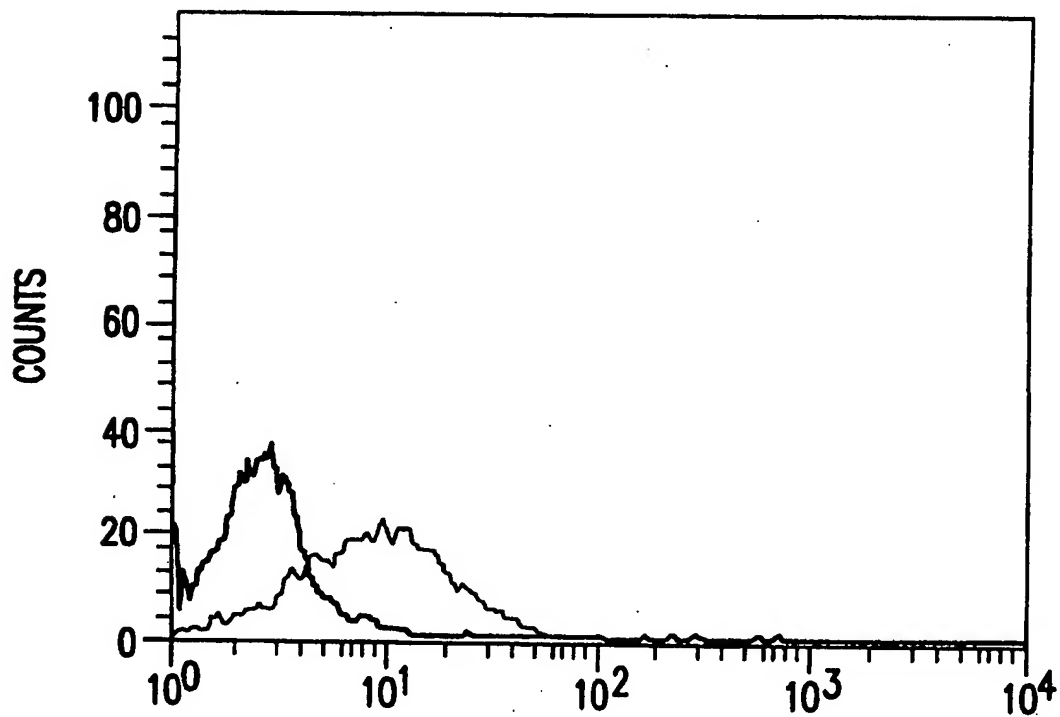


*FIG. 12*

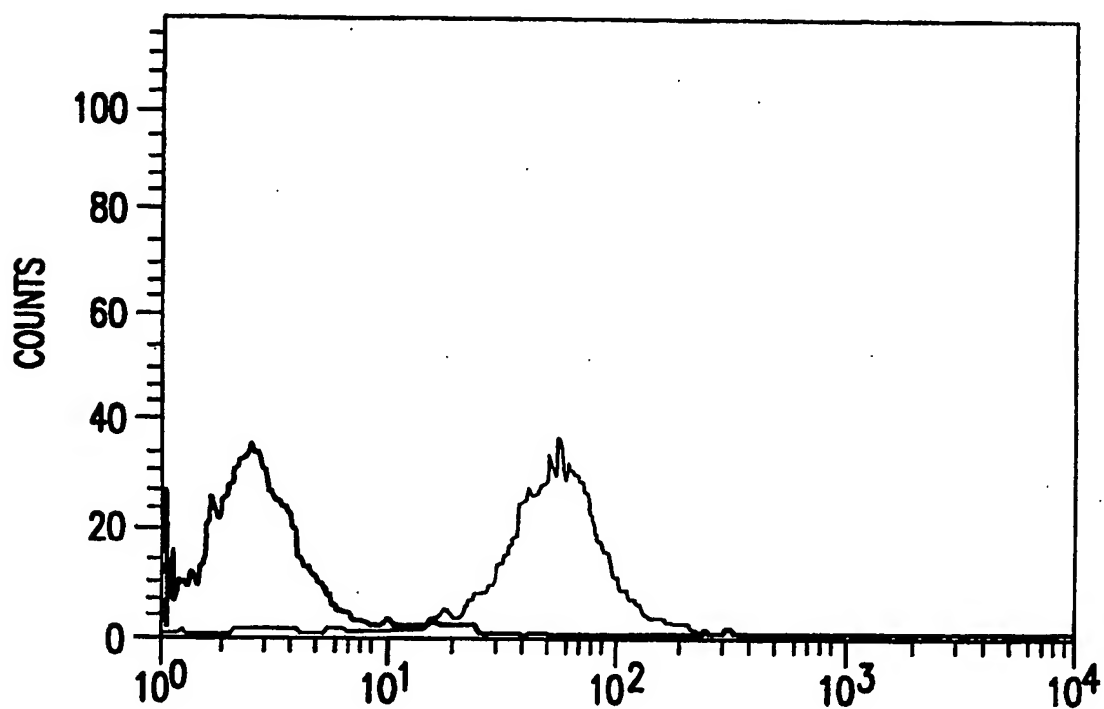




FL1-H  
IgG1D VS ANTI-IG *FIG. 13C*

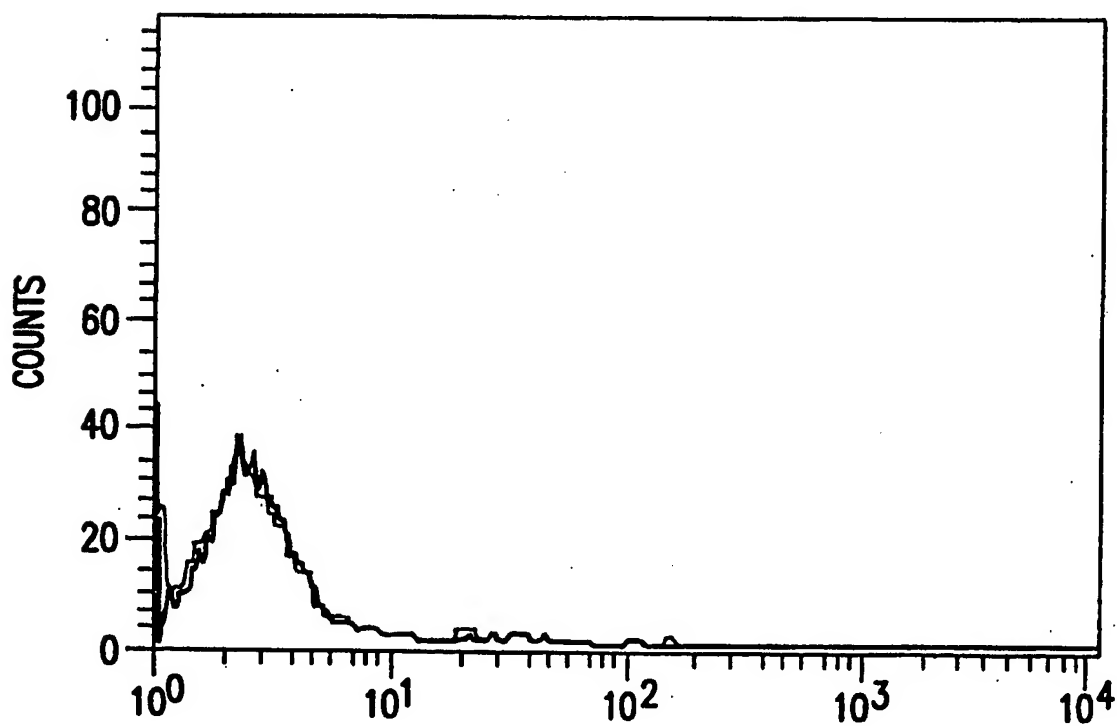


FL1-H  
IgG1D VS ANTI-LIGHT CHAINS *FIG. 13D*



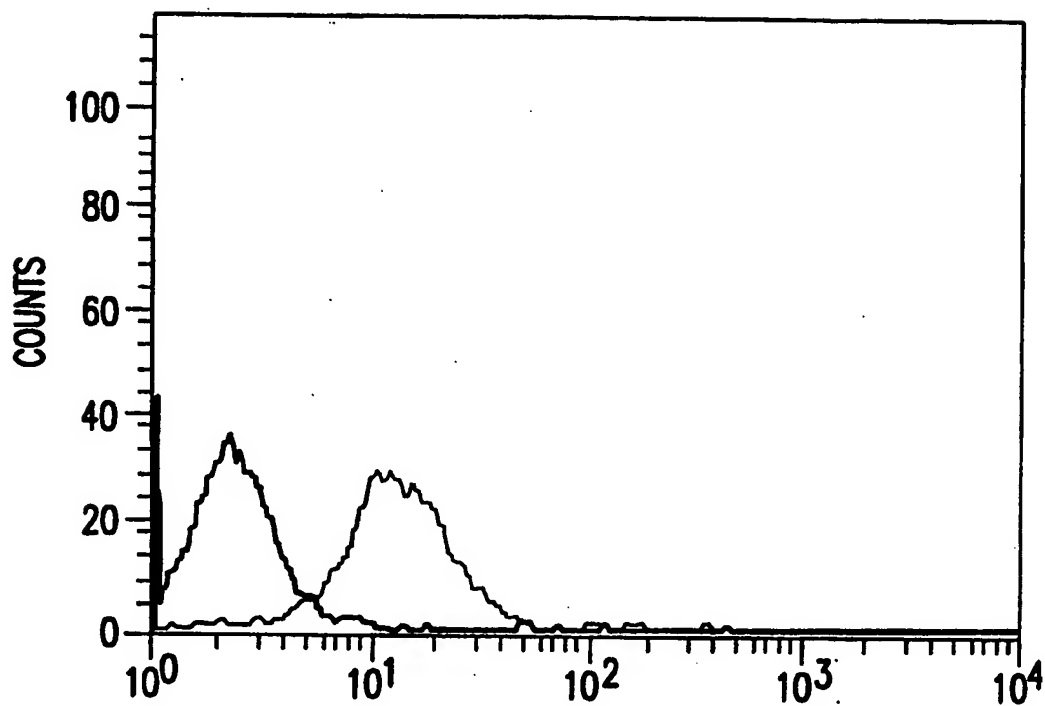
FL1-H  
IgG2+IgG3 VS ANTI-IG

*FIG. 13E*



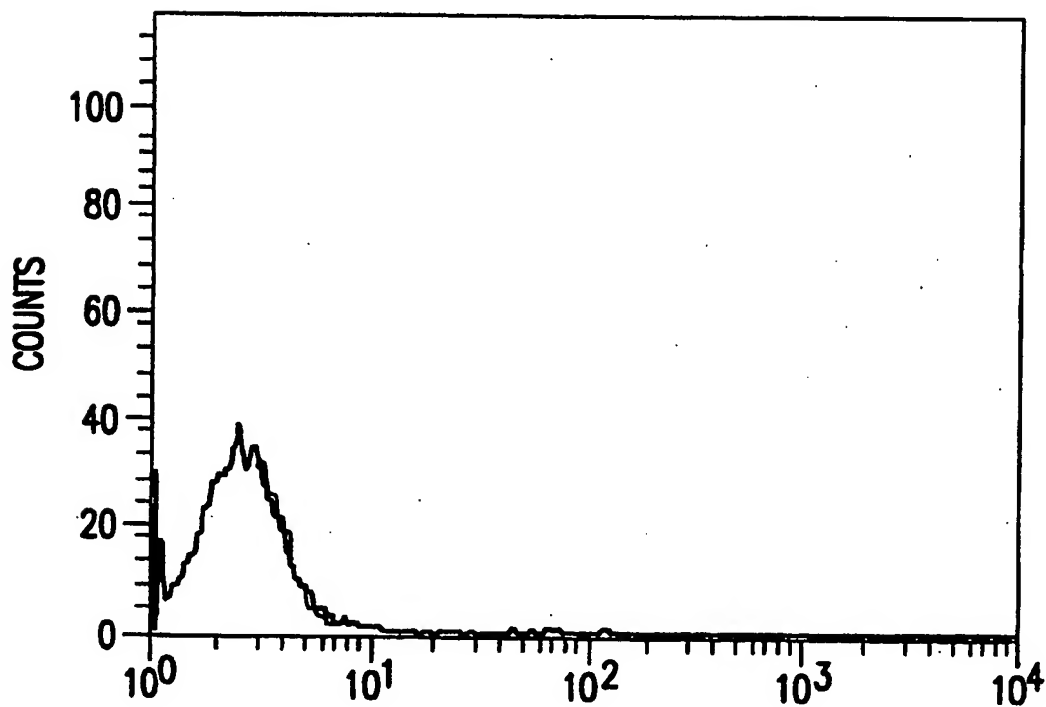
FL1-H  
IgG2+IgG3 VS ANTI-LIGHT CHAINS

*FIG. 13F*



FL1-H  
IgG3 VS ANTI-IG

*FIG. 13G*



FL1-H  
IgG3 VS ANTI-LIGHT CHAINS

*FIG. 13H*

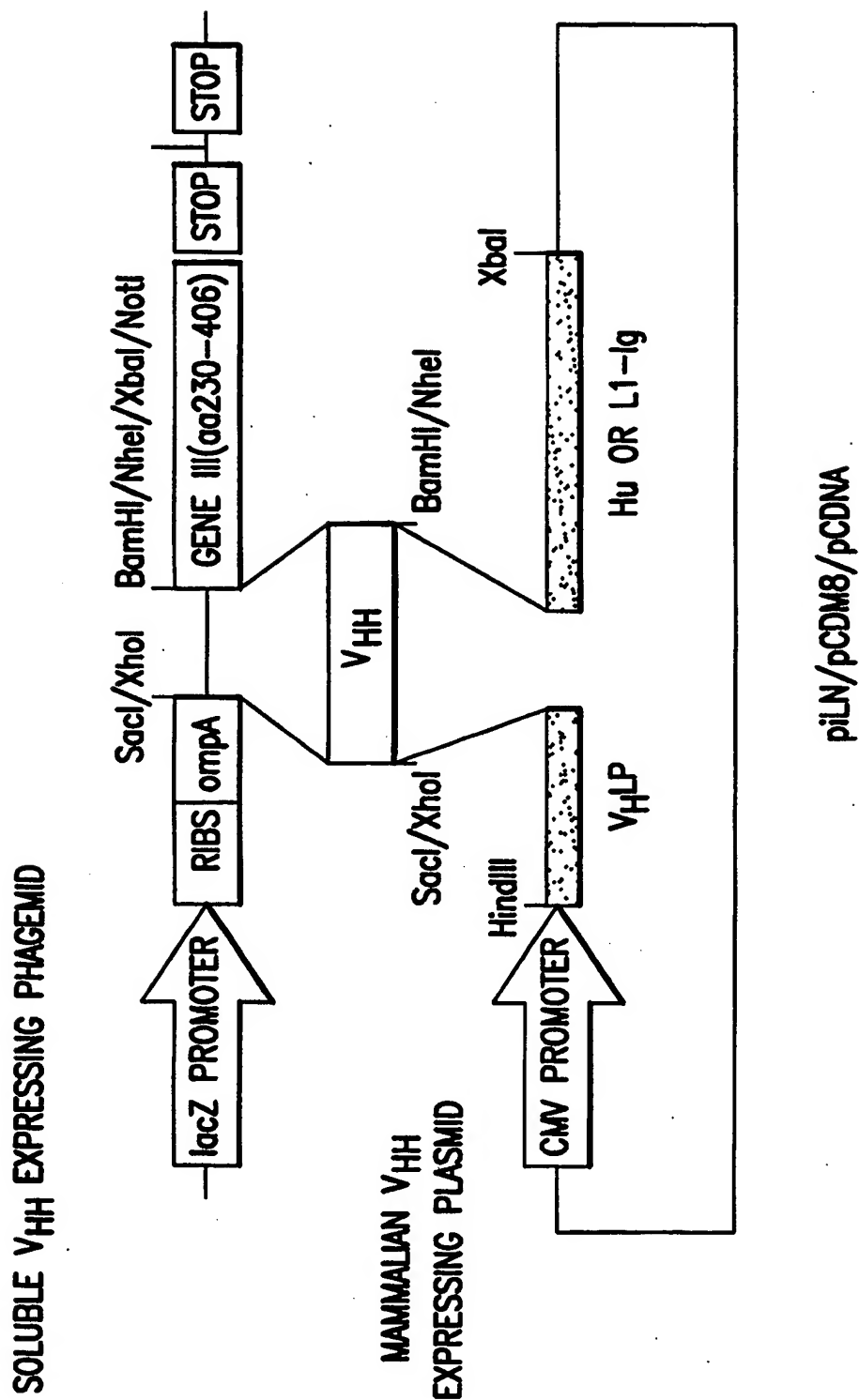
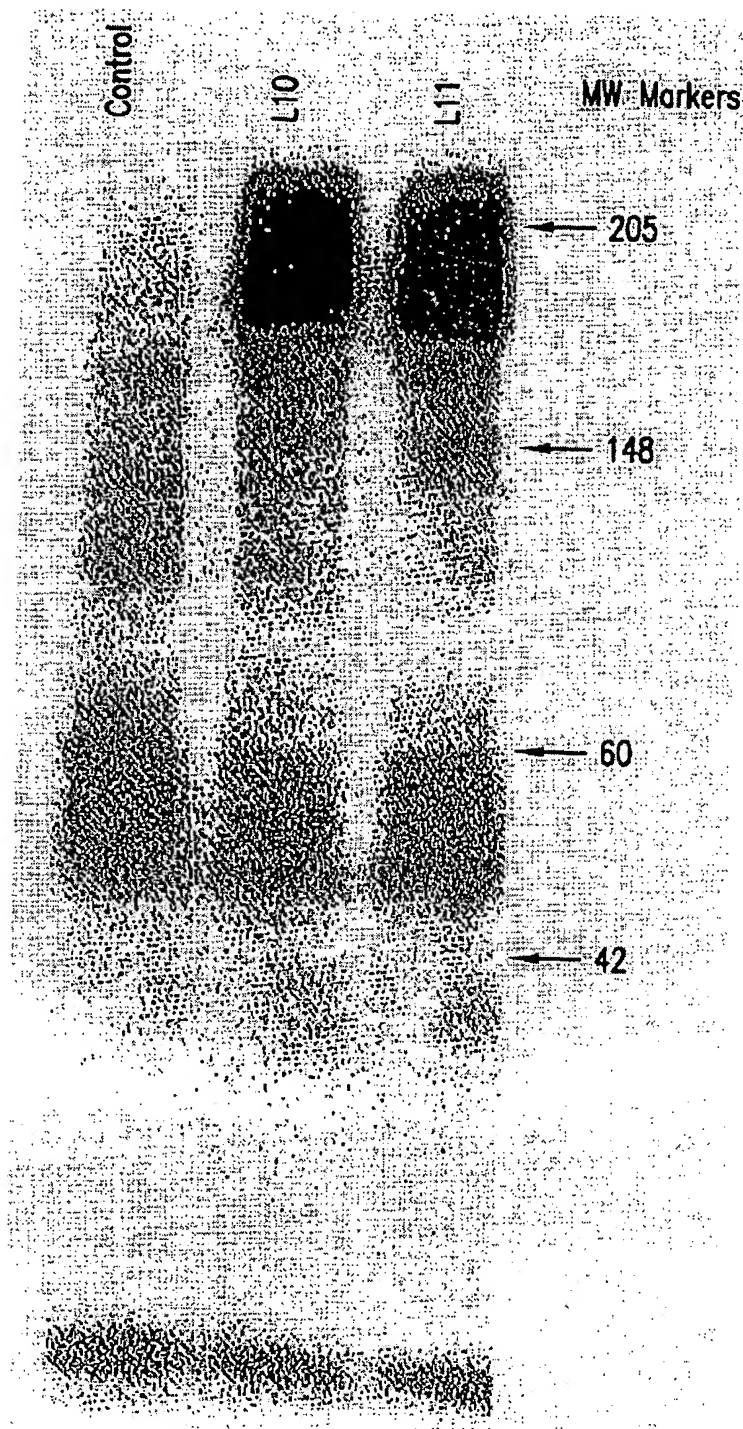


FIG. 14



*FIG. 15*



113-0019-999

	10	20	CDR 1	37	40	44	45	47
Translation of	IRLLVESGGGLAQPGGSLRLSCAASGV		QEG-LDGMG-W	Y	RQAPGK	QR	E	L V
Translation of	IRLLVESGGGLVRAGGSLRLSCAASGR		IFS-NYTLG-W	F	RQAPGK	ER	E	F V
Translation of	IRLLVESGGGLVQAGGSLRFSCVASGR		IFT-IRTMG-W	Y	RQTPGI	QR	E	L V
Translation of	IRLLVESGGGLVQPGGSLRLSCAASER		DFG-SSVMG-W	F	RQAPGK	ER	E	F V
Translation of	IRLLVESGGGLVQAGGSLRLSCTTSGI		KFG-ITAMT-W	Y	RQTPLN	ER	E	L V
Translation of	IRLLVESGGGLVQRGASRLTCVVSGL		FVD-RWAMG-W	F	RQAPGQ	KR	L	F V
Translation of	IRLLVESGGGLVQTGDSLKLSVASGR		NFS-SYHMA-W	F	RQTPDK	ER	E	F V
Translation of	IRLLVESGGGLVQAGGSLRLSCTASGR		TFS-RYYMG-W	F	RQAPGK	ER	E	S V
Translation of	IRLLVESGGGLVQAGDSLRLSCAASGR		TFT-NYAMG-W	F	RQAPGK	ER	E	F V

	CDR 2	70	80	90	
Translation of A	GISS - TNIPNYSKS	VKGRFTISRDN	AKNTVY	LQMN	SLKPEDTAVYYC
Translation of A	DIS---GSITFYADS	VKGRFTISRDN	AQNTVY	LQMN	LLKFADTAVYYC
Translation of A	EITA - DGSQNYVDA	VKGRFTIFGD	NDKKT	VWLQ	MNSLKAEDTADYYC
Translation of A	AINW - SVGGTYTDS	VKGRFTISRDN	AKNTVY	LQMN	SLKPEDTAVYSC
Translation of A	VVGG - GGSTLYEGR	VKGRFTISRDN	DKNTAY	LQMN	SLKPEDTAVYYC
Translation of A	SAIW - DGDETWYGDS	VKGRFTVSRD	VAKNSVY	LQLAN	LQPEDTATYSC
Translation of G	VSWK - GGSEYYKNS	VKGRFTLSRD	GAKNTVY	LQMN	SLKPEDSGVYYC
Translation of G	LISR - SGGSTDYADS	VKGRFTISRDN	AKNTPY	LQMN	SLIPEDSGVYYC
Translation of A	RISR - VGSSTFYTDS	VKGRFTISRDN	AKNTMY	LQMN	SLKAEDTAVYYC

	CDR 3	130	140	HINGE
Translation of NA	DKRGPVI.....	TVYNGKGTQVTVSS		EPKTPKPQ
Translation of AA	SEDRRTELKKERANSWF PARKFMQ.....	YEYNGGQTQVAVSS		EPKTPKPQ
Translation of AA	DIITDWR-----	SRYNGGQTQVTVSS		EPKTPKPQ
Translation of AV	RTRQRLNIRADE-----	YGYNGGQTQVTVSS		EPKTPKPQ
Translation of GA	AASILAASSAET-----	VQYNGGQTQVTVSL		EPKTPKPQ
Translation of AA	LNGAWPSSIATMTPD-----	LGWNGGQTQVTVSL		EPKTPKPQ
Translation of AA	DDHVTRGASKAS-----	YRYNGGQTQVTVSS		EPKTPKPQ
Translation of AA	NIAAGWDTLSRDWRDKRT-----	YSYNGGQTQVTVSS		EPKTPKPQ
Translation of AA	DSDYGPGRSSE-----	YDYNGGQTQVTVSS		EPKTPKPQ

FIG. 16A

		CONSTANT							
		HINGE	170	180	190	200			
Translation of	POPOPOQPNP	TTE	SKCPKCPAPELLGGPSVF	IFPPKPKDVL	SISGRPEV				
Translation of	POPOPOQPNP	TTE	SKCPKCPAPELLGGPSVLSSPPKPKDV						
Translation of	POPOPOQPNP	TTE	SKCPKCPAPELLGGPSVF	IFPPKPKDVL	SISGRPEV				
Translation of	POPOPOQPNP	TTE	SKCPKCPAPELLGGPSVF	IFPPKPKDVL	SISGRPEV				
Translation of	POPOPOQPNP	TTE	SKCPKCPAPELLGGPSVF	IFPPKPKDVL	SISGRPEV				
Translation of	POPOQ- PNP	TTE	SKCPKCPAPELLGGPSVF	IFPPKPKDVL	SISGRPEV				
Translation of	POPOQ- PNP	TTE	SKCPKCPAPELLGGPSVF	IFPPKPKDVL	SISGRPEV				
Translation of	POPOQ- PNP	TTE	SKCPKCPAPELLGGPSVF	IFPPKPKDVL	SISGRPEV				
Translation of	POPOQ- PNP	TTE	SKCPKCPAPELLGGPSVF	IFPPKPKDVL	SISGRPEV				
		210	220	230	240				
Translation of	TCVVVDVGQEDPEVSFNGTLMARGVWRGLVQPGGSLT	SVNLDLLRLYS							
Translation of	TCVVVDVGQEDPEVSFNGTLMARAEF								
Translation of	TCVVVDVGQEDPEVSFNGTLMAPN								
Translation of	TCVVVDVGQEDPEVSFNGTLMAPN								
Translation of	TCVVVDVGQEDPEVSFNGTLMAPN								
Translation of	TCVVVDVGQEDPEVSFNGTLMAPN								
Translation of	TCVVVDVGQEDPEVSFNGTLMAPN								
Translation of	TCVVVDVGQEDPEVSFNGTLMAPN								
		10	20	CDR 1	37	40	44	45	47
Translation of	IRLLVESGGGLVQAGGSLQLSCATSG	L	TSG-DYAVG-	W	F	ROAPGK	ER	E	G
Translation of	IRLLVESGGGLVQPGDSLRLSCAVSGF		TLD-DYAIG-	W	F	ROAPGK	ER	E	G
Translation of	IRLLVESGGGLVQPGGSLRLSCAASGF		TRD-YYVIA-	W	F	ROAPGK	ER	E	G
Translation of	IRLLVESGGGLVQAGGSLRLSCAASGF		TFD-DYAIA-	W	F	ROAPGK	ER	E	G
Translation of	IRLLVESGGGLVQPGGSLTSCETFGS		TSD-YYYIG-	W	I	ROAPGR	ER	E	R
Translation of	IRLLVESGGGLVQAGGSLRLSCAASGL		TFD-DYDIG-	W	F	ROAPEK	DR	E	G
		***** * * * * * * * : ** **** : ** *							

FIG. 16B

	50	CDR 2	70	80	90
Translation of	S	CLSRV-GGPTLYADS	VKGRFTSSSDAAKTKVYLQMN	NLKPEDTAVYYC	
Translation of	I	CMSA-SDGSTYYSDS	VKGRFTISRDDDKNTLYLQMER	LKPEDTATYYC	
Translation of	S	CISTR-GSTYYADS	VKGRFAISGDDDKMTLYLQMN	NLKPEDTAVYYC	
Translation of	S	CIST-SDGSTYYGGS	VKGRFTISVDVAKNTVYLQMN	SLKPDDTAVYYC	
Translation of	S	CISG-RDGTAAAYADS	VKGRFTISRDNKNTVYLQMN	NLKPEDTADYYC	
Translation of	S	CISA-TDNTTYYSDS	VKGRFTISSNNAENTVYLQIN	SLQPEDTAVYHC	

\*\*\* : : \* \*\*\*\*\* : : : : \* : \* : \* : \*

		CDR 3		HINGE
Translation of	TA-	HISCWNIINPNE	YDYWGQGTQVTSS	EPKTPK
Translation of	AA-	NYLGRVRGSAIRAADYCSGSGSV	YHFWGQGTQVTSS	EPKTPK
Translation of	GA-	LINWYSPNTDYDSAWCRGSLGDYG	LDYWGKGLVTSS	EPKTPK
Translation of	AA-	DPRIWLHSVVGTERCLTD	YDYWGQGTQVTSS	ELKTPK
Translation of	TA-	NLGLRPSDFNRGYKCPYE	YDYWGQGTQVTSS	EPKTPK
Translation of	AA-	VRSWKSIYSRTWCTDLY	LEVWGQGLVTSS	EPKTPK

\*\* : : \* : \* : \* : \*

		CONSTANT
	HINGE	70 180 190 200
Translation of	PQPQPQPQ-PNPTTE	SKCPKCPAPELLGGPSVFIFPPKPKDVLSISGR
Translation of	PQPQPQPQ-PNPTTE	SKCPKCPAPELLGGPSVFIFPPKPKDVLSISGR
Translation of	PQPQPQPQ-PNPTTE	SKCPKCPAPELLGGPSVFIFPPKPKDVLSISGR
Translation of	PQPQPQPQ-LNPTTE	SKCPKCPAPELLGGPSVFIFPPKPKDVLSISGR
Translation of	PQPQPQPQ-PNPTTE	SKCPKCPAPELLGGPSVFIFPPKPKDVLSISGR
Translation of	PQPQPQPQPL-PNPTTE	SKCPKCPAPELLGGPSVFIFPPKPKDVLSISGR

\*\*\*\*\* \* \*\*\*\*\*

	210	220
Translation of	PEVTCVVDVGQEDPEVSFNGTLMASRI	
Translation of	PEVTCVVDVGQEDPEVSFNGTLMAEF	
Translation of	PEVTCVVDVGQEDPEVSFNGTLMAPN	
Translation of	PEVTCVVDVGQEDPEVSFNGTLMAPN	
Translation of	PEVTCVVDVGQEDPEVSFNGTLMASRI	
Translation of	PEVTCVVDVGQEDPSRI	

\*\*\*\*\*

FIG. 16C



	130	140	150	160
Lig1a	KCKVNNKALPAPIER	TISKAKGQ	TREPQYY	TLAPHREELA
Lig1b	KCKVNNKALPVP	TICKAKGQ	TREPQVY	TLAPHREELA
Lig2	KCKVNNKALPAPIEK	TISKAKGQ	TREPQVY	TLAPHREELA
Lig2b	KCKVNNKALPAPIEK	TISKAKGQ	TREPQVY	TLAPHREELA
Lig2c	KCKVNNKALPAPIEK	TISKAKGQ	TREPQVV	TLAPHREELA
Lig3	KCKVNNKALPAPIER	TISKAKGQ	TREPQVY	TLAPHREELA
	170	180	190	200
Lig1a	KDITVSVTCLVKGFYP	ADINVEWQRNGQ	PESEGT	YANTPPQ
Lig1b	KDITVSVTCLVKGFYP	ADINVEWQRNGQ	PESEGT	YANTPPQ
Lig2	KDITVSVTCLVKGFYP	PDINVEWQRNGQ	PESEGT	YANTPPQ
Lig2b	KDITVSVTCLVKGFYP	PDINVEWQRNGQ	PESEGT	YANTPPQ
Lig2c	KDITVSVTCLVKGFYP	PDINVEWQRNGQ	PESEGT	YANTPPQ
Lig3	KDITVSVTCLVKGFYP	ADINVEWQRNGQ	PESEGT	YANTPPQ
	210	220	230	240
Lig1a	LDNDGTYFLYSRL	LSVGKNTWQR	RGETL	TGVMHEALHNHYYT
Lig1b	LDNDGTYFLYSKL	LSVGKNTWQR	RGETL	TCVMHEALHNHYYT
Lig2	LDNDGTYFLYSKL	LSVGKNTWQQ	GGETL	TCVMHEALHNHYYT
Lig2b	LDNDGTYFLYSKL	LSVGKNTWQQ	GGETL	TCVMHEALHNHYYT
Lig2c	LDNDGTYFLYSKL	LSVGKNTWQQ	GGETL	TCVMHEALHNHYYT
Lig3	LDNDGTYFLYSKL	LSVGKNTWQQ	GEV	FTCVVMHEALHNHST

FIG. 17B

LIg1a	Q	K	S	I	T	Q	S	S	G	K	250
LIg1b	Q	K	S	I	T	Q	S	S	G	K	260
LIg2	Q	K	S	I	T	Q	S	S	G	K	270
LIg2b	Q	K	S	I	T	Q	S	S	G	K	280
LIg2c	Q	K	S	I	T	Q	S	S	G	K	
LIg3	Q	K	S	I	T	Q	S	S	G	K	
	Q	K	S	I	T	Q	S	S	G	K	

OKT3VHLP-S

5'-TGT AAG CTT GCC ACC ATG GAT TGG GTG TGG ACC TTG CTA TTC CTG TTG TCA GTA  
ACT GCA GGT GTC CAC TCC CAG GTG CAG 3'

OKT3/9.3HYB

5'-GCA GGT GTC CAC TCC CAG GTG CAG CTG AAG GAG TCA GG-3'

HRS1-10

TCT TCT AAG CTT AGT TGT CTT GAG CTC CAG CTG AAG GAG TCA GGA CCT

H4-18

CTG AAG GAG TCA GGA CCT GGC CTG GTG ACG CCC TCA CAG AGC CTG

H13-27

ACG CCC TCA CAG AGC CTG TCC ATC ACT TGT ACT GTC TCT GGG TTT

H22-36

TGT ACT GTC TCT GGG TTT TCA TTA AGC GAC TAT GGT GTT CAT TGG

H31-47

GAC TAT GGT GTT CAT TGG GTT CGC CAG TCT CCA GGA CAG GGA CTG GAG TGC

LV1 TTC GAG CGC GGT

LV2 TAC GAG CGC TTC

HAS47-31

GCA CTC CAG TCC CTG TCC TGG AGA CTG GCG AAC CCA ATG AAC ACC ATA GTC

ACC GCG CTC GAA L1HAS

GAA GCG CTC GTA L2HAS

H54-40

CC AGC CCA TAT TAC TCC CAG GCA CTC CAG TCC CTG TCC TGG AGA

L1H54-40 ACC GCG CTC

L2H54-50 GAA GCG CTC

H62-49

GAG AGC CGA ATT ATA ATT CGT GCC TCC ACC AGC CCA TAT TAC

H70-57

TTT GCT GAT GCT CTT TCT GGA CAT GAG AGC CGA ATT ATA ATT

H7S-65

GAA AAC TTG GCC CTT GGA GTT GTC TTT GCT GAT GCT CTT TCT

HS4-73

AGC TTG CAG ACT CTT CAT TTT TAA GAA AAC TTG GCC CTT GGA

H92-S1

ACA GTA ATA CAC GGC TGT GTC ATC AGC TTG CAG ACT CTT CAT

H100-87

ATA GGA GTA TCC CTT ATC TCT GGC ACA GTA ATA CAC GGC TGT

H104-95

ACC CAA GTA GTC CAT AGA ATA GTA ATA GGA GTA TCC CTT ATC

H111-100

GAC GGT GAC TGA GGT TCC TTG ACC CCA GTA GTC CAT AGA ATA

93VH3'-BAM

TCT TCT GGA TCC AGA GGA GAC GGT GAC TGA GGT TCC

OR

H3RS-104

CTG TCT AGA CCT GCT AGC AGA GGA GAC GGT GAC TGA GGT TCC TTG ACC CGA GTA  
GTC

*FIG. 18*

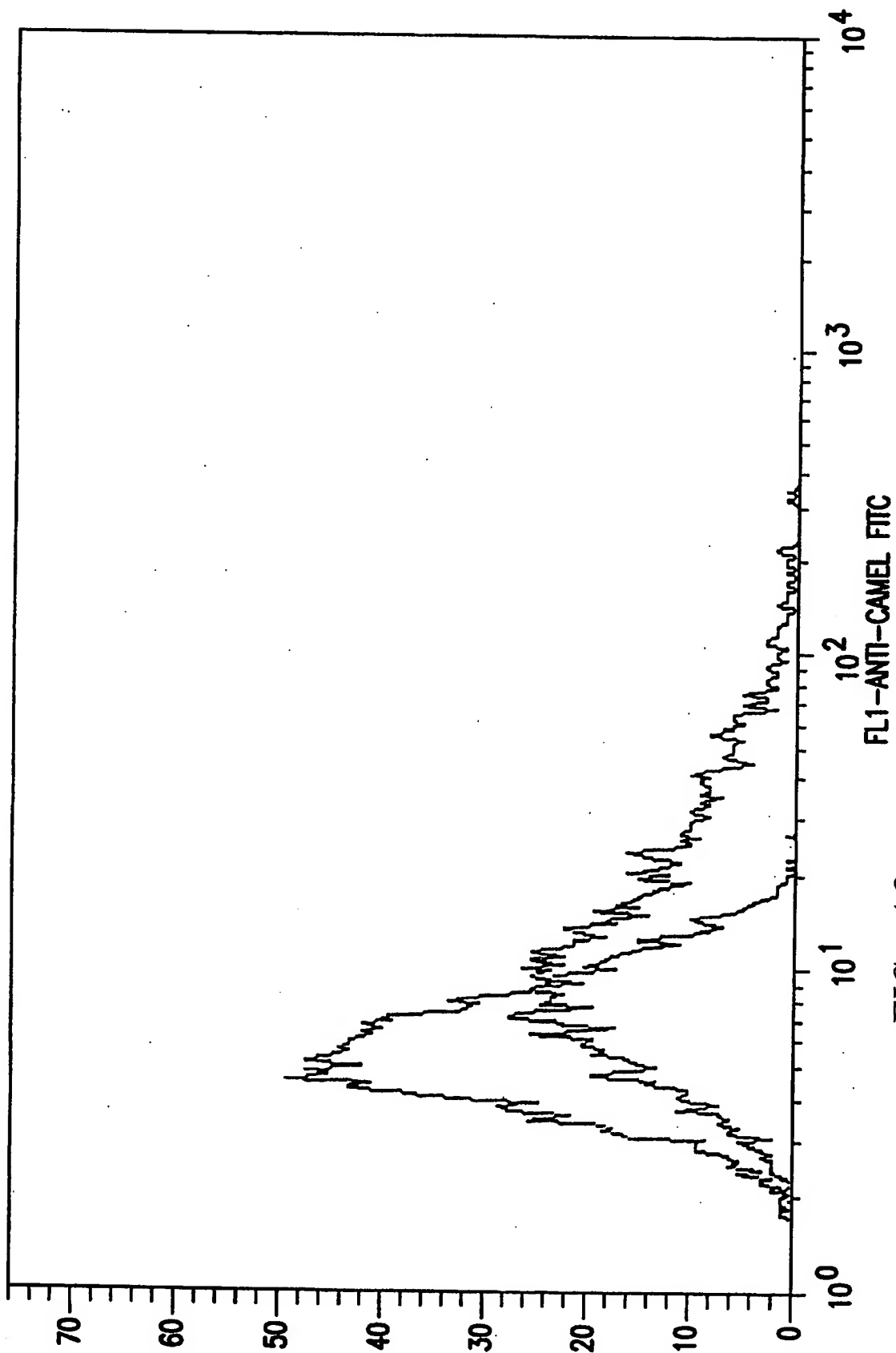


FIG. 19



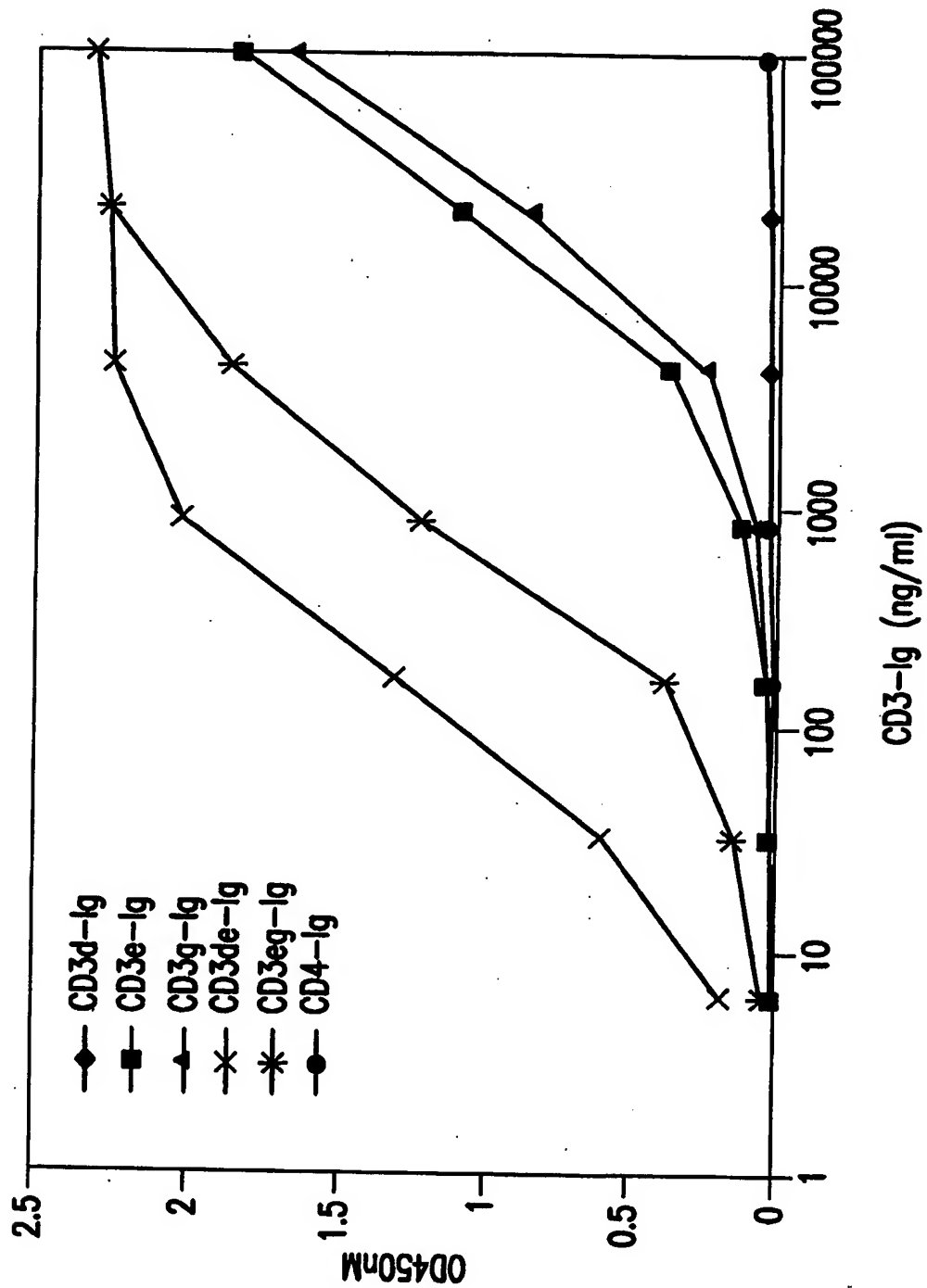


FIG. 20